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SUPPLEMENT TO THE CALGOTTA GAZETTE, SEPTEMBER 10, 1902. 1270

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p. In the subdivisions the retail priors of sait per rupes are—Banks 16 score; Madhipurs 10 score; Supant 10 coors.

A. In the subdivisions the retail priors of sait per rupes are—Kuhangan; 9 score; Arteria 8 score.

I. At Balia Nawabgan; the retail priors of sait is 10 score per rupes.

J. in the subdivisions the retail priors of sait per rupes are—Deoghur 16 score (pauga); Godda 16 score; Januara 11 score; Pusaur 11 score; Karkatoh); Hajmahal 11 score; Deoghur 16 score (pauga); Godda 16 score; Januara 18 score; In the subdivisions the retail priors of sait per rupes are—Jajpur 10 score 10 chittacks (pauga); Esudrapara 10 core; [pasaga].

At Bhadrak the retail prior of use district the retail priors of sait per rupes are—Hankhpur 9 score; Binipara 9 score.

p. At E hards the retail price of cart is 13 seems per repes.

a. At Gebindpur the retail price of calt is 10 seems 10 chitaks per repes.

SUPPLEMENT TO THE CALCUTTA GAZETTE, SEPTEMBER 10, 1902.

PRICES-OURRENT (wholesale) of Food-grains, Firewood, &c.,

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The 8th September 1908.

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SUPPLEMENT TO THE CALCUTTA GAZETTE, SEPTEMBER 10, 1902.

1272

the undermentioned Marte of Bengal on the 31st August 7908.

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		8	ZP	M.V	۲.						DAR STA	LLI	Es.					1	roi	£.						,	F11	EW	001	.							SAT	m.					
Present refurb.				Kext preseding return.			Corresponding return of	last year.		Present reform.	Next preceding returns.		Corresponding return of			Present return,			Next preceding return.			Corresponding return of			Prosent reture.			Next preceding return.		.5	Corresponding return of			Present retorn.			Nort preceding totarn.			Corresponding return of			Marts,
45			(84			6	б		66	67		68			69			70			71			72	7		78			74	•		76			78			77			78
0 12	0	2		12	z. 0	1	0 1	4		Be. de	F. Ra. a.	P.	Ra. A.			12			12	0		4	0	Rm.	8	0	Re	8	0		8	P.		6	P.	Ba F	"anu	0	R			1	. Onloutta
12	0		0 1	12	0		0 1	4	0	***			di			Ret						***		ò	8	0	0	8	0	Ö	5	6	5	4	Di	2	4	Ò	3	10	0	2	Burdwan.
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. 9	D	1	1	0	0		1	0	Ů.	100	1	i	584		ī,	o	0	7	0	0	7	0	0	D :	10	0	0 :	10	0	0	ð	0	8	12	01	Pas	nga 19	01	a	18	6	4	Pabua.
7	Đ	-	0	7	0		0	7	0	-	les e		194		3	0	0	7	0	0	7	0	0	0	ō	0	0	6	0	0	5	0	8.	12	01	Pa:	12	OI	6	0	0	5	Bangpur,
-				-			**			-	***		***		5	0	0	5	0	0	6	0	0	0	ā	8	ū	Б	8	0	5	8	3 :	10	Di	Pa B	ng 10	o.	4	0	0		Dann.
107		1		-			н			0*	111				4 3	2	0	4		0	Б	4	0	,	15		,	100				1	8	Ø	01	ð	Ġ	Or	9	14	Đ	7	Chittagong,
4			,	101	٩		-				.994	1			5	0	Q	4	0	0	9	0	0	0	7	0	0	7	0	0	6	0	3	11	OI	3	10	01	8	19	ø		Pales,
-				-						-	was	Ì	-		6 3	3	6	В	11	6	В	11	6	0	4	0	0	4	0	o	4	0	4	0	Q1	4	0	01	á	0	0		Mandarpur
***				105				18		100	448		844		5	0	0	Б	Q	0	6	0	0	0	5	9	0	5	9	0	Ø	8	3	10			ang Iu			14	0	10.	Hongolpur,
1 7	-	1	-	7	0				0	-	***	-	300		4	11	Q	4	11	0	5	4	0	0	4	0	0	4	0		6	0	8	0			0		2	D		11	Ottinek.
6,0	0	1	0 1	6 0	0		0 1	8	0	} -	-		_		5 1	0	0	5	10	0	5.	11	6	0	å	0	O	4	0	0	4	0	4	1	0[Par	ngu Ç	0,	A	5	0	13	Benchi,

W. C. MACPHERSON,
Offg. Secretary to the Gast. of Bengal.

1278 SUPPLEMENT TO THE CALDUPTA GAZETTS, SEPTEMBER 10, 1902.

INRIGATION DEPARTMENT, BENGAL.

Abstract statement showing assessed Tollage or Earnings on Canala in Bragat started on Major Works for the month of July 1902, as compared with that of the corresponding month of the previous year.

To the State of th	10	LLA	or,	1903-190	3		To	LLA	GE,	1901-190	2.	
CANALS.	Durin		0	To end mon		he	During		he	To and		Li e
1	2	-	-	3			4			5		
Orissa Circle.	Ra.	A	P. 1	Hs.	A.	P.	Rs.	A.	è.	žia.	Α.	P.
Taidanda Canal System Kendrapara ditto High Level, Range I	1,178 2,530 597	3 5 2	6 5 9 3	5,267 10,851 2,438	14	6 7 6	1,063 4,343 1,204 186	0 10 8 1	5 4 0 3	2,811 18.819 2,880 556	6 3 13	11 5 0 3
Ditto, " 111 Ditto, " 111 Jajpur Cansl "	147 16 96	3	0 00 0		13	6	33	4 0	0		12	3 9
Total Orisas Circle South-Western Circle.	4,560	3	2	19,803	8	7	6,865	8	=0	26,266	10	
Midnapore Caust Hijili Tidal Caust	4,785 8,265		6	30,762 17,221	13	8	7,504 4.038	7	6	34,152 20,828	5	0
Total South-Western - Circle	8,049	10	6	47,984	B	3	11,542	8	6	54,980	9	9
Sone Circle.												
Patna Canal System	£59 334 149	6 14 2	6 9	2,772 2,967 1,162	15	9 8	995 405 347	3	0 0 6	6,653 4,146 1,421	2	60
Total Sone Circle	1,343	7	4	6,902	5	7	1,749	14	6	12,221	7	6
GRAND TOTAL	13,958	5	U	74,190	4	5	20,157	15	U	93,468	11	10

IRRIGATION DEPARTMENT, BENGAL.

Abstract Statement showing assessed Tollage or Eurnings on Canals in Hongat classed as Minor Works and Nasigation for the month of July 1902, as compared with that of the corresponding month of the precious year.

	-	Te	LL	gs,	1908-1903,		İ	T	OLLA	GR,	1901-190H.		
Canals		During			To and a		het .	Durin		-	To end		ie
1	1	9			8			4			6		
Unloutta and Easte Canals Tolly's Nala	m	Rs. 15,706 4,149	12	P. 0	Rs. 64,294 16,621		15. 9 6	Rs. 14,454 4,553	8	P	Rs. 57,002 16,978	18	P. 0 6
Total		19,856	5	9	80,916	.8	3	19,007	12	9	73,981	7	6
Oringa Coast Canal		1,833	12	0	9,172	0	9	3,157	5	8	16,022	12	6
Nadia Rivers	***	8,469	7	9	21,142	15	-9	10,170	7	6	18,800	13	0
GRAND TOTAL	ywa	80,179	12	6	1,11,232	0	. 9	32,341	9	6	1,08,805	1	0

DARIBELING. The 5th S p ember 1962. R. C. Enga.
Under-Secy. to the Gost, of Bengal.

SUPPLEMENT TO THE CALOUTTA GAZETTE, SEPTEMBER, 10, 1279

GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

Approximate return of traffic on the Oircular and Bastern Oanals for the week ending Siturday, the 6th September 1908, as compared with the corresponding week of the previous year.

Natur	E OF CAMO.		White is	edino Sature e Bapedianea a	PAT, THE	White n	POZNA HAZGAI B upu khunga 16	MT. THE
			Number of bunis.	Weight of careo.	Tollage.	Sumber of heats,	Weight of there.	Tollage
				Mds.	Rı.		Mdı	Ra
Rice and paddy Tute Pirewood Other articles	904 941 44s	11.4 11.0 84.4 Pho	619 178 60 645	49,998 81,676 96,978 1,87,696	\$86 468 651 1,649	829 81 48 340	85,425 24,425† 14,550 82,472	43 38 22 98
	Total	-	2,409	2,54,470	3,254	798	1,56,972	1,96

* Weight by canal measurement, 31,337 | maunda.

Abstract of the Results of Meteorological Observations taken at the Alipore Observatory in the month of August 1902.

	Inches.	Date	Hour,
4 th 6 h	29.618	5	
The many resemble of the mouth	29-598).	
The state on treatile of August 1100	29.751		10
The highest pressure in the mouth	99-991	-t	16
The lowest pressure in the mount	0.360		
The range of pressure	Bourn.		
The total number of hours of bright sunshine during the month	. 140·9 . 898·4		
The maximum possible number of hours of sunshine			
the month	84.0		
	89.1		
The exceeded form Doractico of the contraction of t	0.4.9	13th	
The birthar taming but a mile of the second	70.09	11th	
THE TANGET TOTAL MILESCORE IN DEC. 1000 TO 1000	10.5		
The sauge of laintefature during the mount	11.9		
The man daily range of (Shilkshikate	15:4	13th	
The greatest range of temperature in one day			
	Per cent	La.	
The mean humidity of the month	86		
The average humidity of August from 24 years' registers	. 86		
200 010100	Weban		
The mean vapour tension of the month	1.002	}	
The average vapour tension of August from 9 years' registers		2	
The mean cloud proportion of the month	8.13		
The average cloud proportion of August from 25 years'			
	0.00		
registers	Inches		
	14:01		
The total rainfall of the month			
The total rainfall indicated by a Backley's self-registering rain-	12.92		
gauge (mouth of the gauge about 52 feet above the ground)	13.94		
The average tall of August from 48 years' registers	0.21	11:	il.
The greatest fall 24 hours	_	1.11	HLL.
	Duyu.		
The number of rainy days in the month	16		
The average number of rainy days in August from 24 years			
registors (Alipore Observatories)	19		
The mean maximum equilibrium temperature of solar radiation	. 0		
during the month	140'7		
The mean difference of sam and sir temperatures			
The greatest ann temperature		17th	
The groatest excess of sun over air temperature	66.2	4th	
The mean temperature of the necturnal radiation thermometer			
on woollen cloth	77.1		
The mean depression of the necturnal radiation thermometer			
below the minimum air temperature at 4 feet above the	1		
ground	. I.a		
The greatest depression of the nocturnal radiation thermometer			
below the minimum sir temperature	8.0	28rd	
•	16 Peu-		
The mean movement of the wind per day	88.3		
The greatest movement of the wind in one day	0.000.43	10th	
The greatest movement of the wind in one hone	12-0	24th	10 to 11 a.m.
The number of hours with winds from each of the eight points-	_		
N. 24, N.E. 23, E. 62, S.E. 160, S. 184, S.W. 135, W. 58, N.		m 83	
The sameter of changestions at the Alineau Changeston and and		on the depth date of	

The results of observations at the Alipore Observatory are not rigorously comparable with the registers of past years (at the Park Street Observatory). The barometer is about 3 feet higher at Alipore, and, other things being equal, reads therefore '003 lower. The diurnal range of temperature is also greater at Alipore, and the mean temperature apparently about 0.6 higher; and, finally, the thermometer which furnished the record of temperature at the Surveyor-General's Office during 20 years and upwards is found to read 0.6 higher than the Kew Standard thermometer, which is the standard of reference at the present Observatory.

G. W. Kuchlen,

METHOROLOGICAL OFFICE, GOVT. OF INDIA, Alipsee (Calculta), the 8th September 1908.

for Meteorological Reporter to the Goot, of India and Director-General of Indian Observatories.

Results of the Meteorological Observations taken at the Alipore Observatory from 31st August to 6th September 1902.

			8	la lor		711270	LTON	la .		Нтаво	CHTGT.		Wine.				-1
Month	Date,	Maximum in wm.	Notaber of house bright supplies.	Mess presents baronals at 25° Eabr.	Mess.	Nations.	Ranges.	Minhoods	Mens well built.	Vapour tepsion.	Daw point.	Humidity.	Prevailing direction.	Miles recorded.	Salo,	WRATE	Rp.,
1000				Inches		• •	a	ņ	4	Inoh		2			Inches.		
ATE:	Sluis	150-9	P-1	29-545	84-8	91:1	12-8	78-2	80:1	0.972	78-4	83	N, ENE and E	180	7-96	Partially p.	ploud
lapt.	let	161-9	8-0	1526	62:7	86:7	8-1	78-0	B0·1	1996	79-1	89	ENE, E and E by	198	0.89	Chiefly o, d, p,	
10	20d	146-6	5-7	-642	84-0	694	11-2	78-2	80.5	108	79-2	86	SE and SSW	110	0:30	Pertially	oloudy
н	Sed	150-1	3-5	-587	85-1	89-8	10:5	79-8	81-7	1.030	80-4	-86	S by W and SE	82	0.003	Chiefly d.	aloudy
	dth	161-7 161-7	6-4	-678	85-6	02-2	12-1	80-1	81.0	1:040	80 4	85	SE and calm	-	0-18	Partially p.	oloudy
,	5¢h	14/1	Q-6	6-48	54-1	80-1	6·B	80.3	81.0	1-090	79·6		SE and E	64	0.06	Chiefy	
lp.	вu	149-0	1-5	·564	82-9	87-1	B+1	79-0	79-9	0.988	78:7	87	E and 295	-	6-31.	Oblefty o, d, p.	ol ored y
_	_															has.	_
	- 1	The m	вал р	renture	of th	e 8874	en da	ys.				- 0	A seem flores	en e	29	610	
	7	Con.	erage	Office	re 01	t.be	corr	sapon	amg	batac	M 10		4 years, Surv		29	646	
7																lours,	
	7	he to	tal n	umber	of hor	ars of	brig.	ht sur	nii lii ta o) h:-			-41	+4 h		29-8 37-6	
	2	he m	axim.	um pos	mple :	րապեն	er oi	DOUL	01 113	THEFT	10 111			78.0	•		
	g	The m	ean t	empera	ture o	of the	3070	n day			141		199			34.1	
	7	he av	erage	e tempe	ratur	e ot ti	100 82	respo	nding	perio	ed fo	BF 5	is years, Surv	eyor-			
		ben	mal'-	Office .			489				***		₩ 8.4	401	E	38.5	
				e varial				ure	1+4		460			- 11 4		14·0 92·2	
	2	he m	REIM	um ten	obere.	TITE	-11				r II 4		147	10+		Milion.	
	9	he hi	ebest	relocit	tv of	the w	ind n	D. OTLI	hour		,					14	
			41		· pr											ale.	
	7	Cho m	den i	elative	bami	dity			***		441		411	104		86	
	7	he av	erage	relati	ve h	umidi	ty o	! the	0021	espos	ding	per	ried for \$4 y			86	
		gma	ezor.	-ti enere	M P O	MOB	-14		1-41		117		- 44	+	In	chun.	
	7	Che to	tal fe	ll of re	in fo	om 31	at A	gust	to 6t	ь Бері	embe	st 18	902			1-91	
	п	the av	erne	e fall of	the	OTTO	pondi	ng pe	riod :	for 24	k yes	œ,	Surveyor-Gene	real'n			
											111		111	+44		7-48	
		. Offic	Safts					A-9 M	,	1 . 1	naa.				45.1		
	2	the to	tal fe	ll from	lat J	enue:	ry to	Oth 8	epten	per I	802		FN 45	30.	D.	1.48	
	2	the to	tal fe	ll from	lat J	SHUB:	ry to pondi	oth S	epteu	or 24	you	œ,	Surveyor-Gene)·50	

The maximum and minimum temperatures are obtained from self-registering thermometers. All the themcemeters are verified, and the readings have been corrected to a standard constructed and verified at the law Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet shove the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 85, formerly at the Surveyor-General's Office. The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one fact above the ground.

o, overcast; d, drizzling rain; p, passing temporary showers; t, thunder; 4, lightning.

Q. W. KOORLER, for Meteorological Reporter to the Gost, of Redia and Director-General of Indian Observatories.

Triberological Office, Gove of India; dipore (O toutta), the 8th September 1988.

EASTERN SENGAL STATE RAILWAY.

Abstract of Principal Commodities carried over the Bastern Bengal State Bailway during the month of May 1908 as compared with the same month of the previous year.

					· · · · · · · · · · · · · · · · · · ·	1
No.	STAPLES.	1901.	1901.	Increase for 1000,	Degresse im 1906.	BEFFER SUPERINTERPRET.
		Timi.	Tons.	Tons.	Tone.	
1	apparel, including drapmy, haberdashery,	10	99	15		
	boom and shoes. Outland onke carried for the Public and	30,872	88,774	171799	2,800	
- 1	Cotton— (1) Bay or so of so or	191	547			
	(1) Maculactured—	987	554	781	97	
	(c) Proce-goods, Buropens	196 L,586	201 2,014		147 680	
	(d) Ditto, ladina (e) Others	36	49	2777	10	
- 6	Draw-	50	46	h+++++	н	
	(1) Interleating, other than opins (1) hen-innareating—		48	15		
	(a) Medimuni preparations (b) Others	BH	67	1 1	481,11-	
	Dyes and Tans— (1) Al (Morlada ettrifolia),	11841		Na HA	1001	
	III Catch	· . """ 17	···-Bt		11	
	(c) Indano (d) Indano (d) Tacologicarità	nules	H-141	400.00	terrina Pari I	
	(?) Pirthano	169	10.0	***************************************	HH-11	
7	Folder—	1	11.		4	
1	(13 Ottowite	1,000	717 6.351	140	1	
-	Printe and vegetables, fresh	431	941	19491	1,006	
	(1) Oran and pulse	8,144	6,978	1,140		
	(2) Rayer and bajish (2) Rayer and bajish	0,140	P,487	1 1 44	3,890	
	(4) Do, not in the hunk	1,419	7,879 474	968	4,190	
	(4) Wheel in the second of the control of the contr	356 181	169	854	1000	
30	Holes and skink— (1) Hides of cartie—	J				
	(d) Dressed or tanged	799	,±- 199			
	(3) Birms of sheep and other sammals	BH- are		4 0	407101	
13	(5) Nov	13 Un	88 8	==_10	10	
3.0	Herns (Ladian) and other fibres, sealuating	Lbe .	376		94	
	(i) Eas	18, l ms	70		j	•
14	(3) Gunny-inguend cloth	1,499	10,000g	6,393 806	d belong of	
16	Lasther—		47	074000	37	
	(1) Wrought, excepting bosts and about	111141	1 1	HIII		
34	Liquiry . (1) Alexand hour per the page of the	21	19	, ,		
	(h) Spirite of all kinds, mainting country	6	1078.01	ě	100 vd v	
-	(a) Wine sorte, tucinding toddy and for-	B6	J4	177184	1,	
37	mented liquor, other than sie and beer,					
-1	(i) Brain, the wrought	81 180	33		H-1-1	
	(4) Do. expects	10	36 36	1814[2		
	(d) from and stool— (d) Cant (b) (Inwrought to the stool of	63.	Lia	411111	12	
	(c) Western	0,600	1,000		TZ	
	(5) Others	384	#30 ###	Processor on religion solva historia	7	
1.1	Other				-	
	(5) Contor (5) Contor (5) Contor	1,54%	31	11111	9,048	
	(4) Mustard and rape	396	100	1-11-14	342	
20	(1) Ourier	14	T2		30	
	(3) landes	4,730	1,400	31	18* tur	
	(6) Poppy	6,34¢	0,34m	R,064	September 1	
10	(7) Uther	11		1.307 1.3 30	45-670	
a ji	Paper and pertakoned	8 894	130	156	-rich	
AR	Province				*****	
	(A) (A) (A)		W		mont di	
	The Arrange of the State of the	L,136	Lyame	171114	200	

io.	· BYAPEM.	190	25.	1981.	Increase In 100a.	Dayringe In 1901.	Explanations of Perceptations is Taappic Stemperinepert,
_		Tie	210.	Tons.	Comp.	Tout.	
123	Patterny Plant, &c., for the Public and Potents Hallways- (1) Locomotive engines and tenders and		5P	l- lm-	59	1800	,
-	can Carriages and trucks and parts thereof	,.,.		s+4 —	44-194		
	(a) Sized raths and the plates		\$196 \$456 :	\$,766	100	1,451	
	(c) Others and an area		9/3 1	119	84		
14	EA DA	8	L718 .	7,827	breast4	1,176	
10	(a) Haltpetre (b) Chier saline substances (c) Chier saline substances (d)		1192	5 1881	1 July 2 1	1. 61	
94	(1) Haw— (2) Pereign (3) (6) Indian (4)			11.00	1815	4-1-14	
	(t) Piecegnoda—			,		1714m	
	(9) Indian		ibee	414-14	778181	107711	
317	(1) Setelmata (1) Cardemond (2) Cardemond (3)		955	11 H	87		
	tal Chillian 4-1 Ma im to in	. [109	257 211	141711	74	
	(5) Pepper	- [27	13 511	49000	195	
100	Shope and time or or		L,858	5,460	HERE	1,57%	
27	Surer— (1) Respect or mystallised, including com-	-	1111	780		256	
	emity. (E) Province. (n) Sugar (b) Gur. rab. jaggery, molares. end other sancharine produce.	i	202 203	949 1,667	-1	341 770	
39	(1) Poreign		i,EH1	775	456	212000	
ı	Tobacco- (1) Unmanufactured as as as as as		6,450	3,960	400	LINI41	
	(a) Cligaria as as as as as as as as as as as as as	}	か	1 1	7	Istori	
32	Wood— (1) Thuber, nowrought		731 157	1,048	- 1-14+	557	
		1		JAPCI .	hid		
14	(1) Baw (2) Manufactored—		₽7	336	781-11	141	
	(a) Carpers and rand (b) Pheomenoda, Extrapean (c) Pitto, Indiata (d) Dithir acts of manufacture	1	3	ι¥	871813	Į.	
m	All other articles of manufacture		ರ,ಗರಿಸ	4,514		1,476	

HARPRASAD DAR, for Examiner of Accounts, E. B. S. Railway.

CALCUTTA, the Ist September 1908.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN BAILWAY.

Approximate Return of Traffic for week anded 98rd August 1902 on 1,918 49 miles open.

							1
	Coloning Thanfic.					Total enculops.	Traffic Traff-min
	Rumber of passengers.	Conching receipts.	Waiglet couried.	Beccipia.	(WENGHING).		Onching, Marchab.
		Ba. 4. P.	M2(8, 8,	Billy A. P.	Re. A. P.	Re. a. P.	
Trial traffic for the week the per mile of majoray For pervious 0; weeks of half-	2,582,696*	3,53,919 3 0 174 6 3 24,69,040 15 0*	41,18,667 90 8,00,02,960 80†	5,68,173 8 6 346 7 1	19,192 0 0 0 18 11 1,45,709 0 C2	10,51,510 8 0 895 1) 1 77,87,687 8 0	100,881 160,786 1 136,9789 1,110,989 (,)
Total for di weeks .	z,956,074	27,93,989 1 D	3,43,34,145 10	M4,08,061 5 0	1,61,801 O O	97,88,861 7 0	844,794 1,319,7% U
Comparison.							
Total for porresponding week of	805,116	8,56,667 11. 5	64,31,604 80	8,01,88% T 9	9 0 700,112	11,66,797 8 11	206,000) 764,100] 1
For sails of rallway correspond.	421101	185 Il 10	11 4-1	695 4 1	31 7 8	430 T 3	Hamble sq.s
Total for energing the works of provious year.	(8,181,788) (81,181,0)	89,01,489 11 B	6,10,91,436 0	,78,80,831 LO P	3,87,000 4 11	1.07,74,758 10 10	889,907§ (0,464,996) Li
	Total braftle for the week. Or you mile of an living. Put previous 01 weeks of half- Total for our appointing week of previous year. Total for our appointing week of the week of previous year. Total for our appointing to	Colores Rumber of passetigers. Total braftle for the week the party passetigers. Total for the week of basis 2,582,686* Total for orresponding week of pheriods year. Total for the week of previous year. Total for the passet of passet of the passet of previous year. Total for the passet of passet of the passet of passet of the passet of passet of the passet of passet of the passet of passet of the passet of passet of the passet of passet of the passet of	Concerns Trayfic. Rumber of Conching receipts. Rumber of Conching receipts. Rumber of Conching receipts. Ba. 1. F. 26,266 3,85,919 3 0 174 6 2 174 6 2 2 24,80,000 15 0 0 174 6 2 2 24,80,000 15 0 0 174 6 2 2 24,80,000 15 0 0 174 6 2 2 24,80,000 15 0 0 174 6 2 2 24,80,000 15 0 174 6 2 2 24,80,000 15 0 174 6 2 2 24,80,000 15 0 174 174 174 174 174 174 174 174 174 174	Concerns Trayfic. Marginary Trayfic. Runnber of passettions. Runnber	Coloring Trayfic. Mandel Price	Coloring Trayfic. Marginary Concling massings.	Coloring Traysic. Mandrewing And Minimizer. Coloring passenger. Conching passenge

(a) The decrease is chirally in cost.

Added No. of passengers 2,10 and deducted Rs. 3.862 On account of difference between the approximate and audited figures for the week care 1 ac. Bids. 2.85,001 and . 35,365 July 1672.

Loddicked figures up to 19th July 1948.

1902.

Abstract of progressies weekly returns of all earnings for 1903 in comparison with 1901.

Opera inclinings.	Period,	- Couchin	or Franks.	Merchan Mizeral		Other deraitues.	Total,	Permits of Ballway,	Teoin 1	melange.
*1 011 0 *1,000 0 1,000 0 1,000 0 1,000 0 1,000 0 0	Table up to fato	Nn. of Posseringus. 710,003 441,139 361,178 361,149 351,079 331,009 2,188,076	H.a. 6,65,739 3,7%,481 3,26,198 3,45,747 3,46,046 3,53,919 21,98,969	18 mg. 180, 4, 0th 47, 42, 501 48, 51, 885 40, 54, 650 44, 73, 200 41, 73, 645 41, 73, 645 41, 74, 657	18.n. 14.03, 950 3.00, 646 7.37, 198 7.14, 228 7.18, 040 7.10, 198 6.04, 173	2.6. 41.611 16.665 19.453 19.746 22.646 11.630 19.133	318, 21, 60, 667 11, 67, 618 11, 55, 616 10, 82, 743 10, 82, 740 11, 70, 805 10, 21, 214	Har, 1,189 du 5 368 567 860 863 554	10 . 500,575 188,331 173,966 184,346 572,000 186,518 180,877	

Abstract of progressive weekly returns of all cornings for 1903 in comparison with 1901-concluded.

-		·							
1,R37-ad 2,637-79 1,R36-94 1,R56-94 1,R56-94 0,056-94	13 days of July Week ended poin July st still to see and August see 2004 see 1704 see Totals up to date	641,097 6,86,946 647,094 6,96,781 641,493 4,63,000 201,006 6,61,643 201,125 [3,36,89]	M 199. 1,06,39,302 64,41,797 50,14,460 53,91,560 53,91,509 51 37 112 46,61,865	Re. 28.98,791 91,92,938 10,75,872 9,67,472 8,61,476 6,18.768 8,01,668	Re. 81,498 18,453 29,553 39,563 89,570 21,185 \$3,047	Me. 18,77,344 16,31,699 15,74,310 18,85,744 18,85,744 18,85,744 18,85,744	Ra. 2.464 1.464 404 404 4810	\$60. Bins, 909. 206, 917 206, 917 209, 318 Bins, 617 209, 462 204, 670	Bold 125 127 127 127 127 127 127 127 127 127 127
	TARREST IN TO GRING I'-	8,151,750 25,91,431	6,10,91,454	78,80,981	1,57,000	1,47,78,738	768	1,463,636	4 11

* Andited figures.

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week anded 23rd August 1908 on 22:23 miles open.

1		OCACCHIPO TRAYFIC. N		ND MINRHAE	Other mare buts	Tenal	TRASPIC TRAIN-GILL	
	No. of p4 Woodwa.	Oneching renolpta.	Weight meried.	Receipts.	(milmsted),	meralagy.	Concluting.	Morehan dist.
Total traffic for the week fre per side of saltway for previous \$\$\text{\$\tex{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\texi{\$\text{\$\text{\$\text{\$\text{\$\texitex{\$\text{\$\text{\$\tex{	19,904 145,700* 186,776	187 7 2 33,675 16 6 29,843 16 0	Mdu. g. \$1.978 gg 1.45,341 20+ 1.86,780 s	25 9 0 95 25 9 0 95 12 97 9,908 12 97 6,500 3 6	He. A. P. 6 ± 0 B 4 6 47 ± 82 bs + 9	Ba. 4. 9. 4.754 9 6 813 14 6 85.047 10 8 64,461 1 8	2,546 7,566 0.940	942
reial for corresponding work of provious year. Fr is in all rations corresponding wast of provious year, total for corresponding 70 weeks of pratfolis year.	15,800) : 174,600	3,900 14 p 320 T p 60,684 20 E		191 0 6 13 1 6 1,476 5 0	0 6 8 0 4 7 43 38 B	4,316 2 H 316 19 T 41,013 31 31	1,189 	

* Added No. of passenger, Likk

* Deducted Mda. 1,478

Added

Auklined Signatus up to 19th July 1888.

and At. 006 on account of difference between the approximate and antitud agrees for the week so

TARKESSUE BRANCH RAILWAY-concluded.

1908.

Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1901.

Open ulimin.	Period.	Conching	Tm:filo,	Merchantin a Traff	d Kinemi e.	Diber remings.	Total.	Per mile of miles.	Train m	diagra,
*#*** *#** *** *** *** *** ***	If days of July West unded 10th July Sech	70. of \$40.001 \$1,007 11.007 17.783 19.044 \$8,000 17.980	Re. 10,019 0,009 4,755 4,007 4,717 4,717 4,717 6,791	14.607 14.607 14.607 14.646 15.006 17.006 17.006 27.348	3,575 e08 574 985 509 804 884	15a, 10 10 8 7 7	Ha, 1,504 2,514 0,508 4,557 8,455 8,140 4,754	R.s. 072 388 247 201 285 229 314	Pic. 2,069 1,737 1,149 1,184 1,184 1,184	Rajon, Bon a. 3 5 0 i 5 10 i 3 11 i 6 1 0 i 6 0 0
	Totals up to date	366,774	80,848	1,55,710	4,800	43	44,400	850	11,940	4 19 E

Abstract of progressive weekly returns of all earnings for 1902 in comparison with 1901-con pluded.

1901.

13 75 75 75 75 75 75 75 75 75 75 75 75 75	No. of page opera. 10.052	20 ds. 25	Ra Ra. 10,715 6 4,600 1717 5 5 5,716 6 4,160 6 4,716 6 4,716 6 4,146	\$10 1.188 363 1.233	Mate, R4, 4, 9, 6 1 8 6 1 0 9 5 7 6 4 12 1 6 8 1 1 1 1 2 1 4
Totals up to date on	174,500 80,465	66,104 \$/476	* 81 46,066	231 9,416	4 2 0

* Audited figurus.

DELHI-UMBALLA-KALKA RAILWAY.

Approximate Return of Traffic for week anded 23rd August 1902, on 162:24 miles open.

	COLUMN TRAPPIC.			Merchaupine and Merchal. Trappic.		Total	TRAFFIC TRAFF-MILES ROM.		
,	No. of Passengion.	Concluing Receipts.	Weight carried.	Receipts.	(cutimated).	the plant	Geneking.	increhap- dame	Total
Total tradits for the week of bull-year	10,429 *##,151	Re. A. P. 18,989 10 0 10d 14 11 1,84,911 6 0	Mon. 8. 78,179 30 10,36,838 101	Ra. A. P. 8,196 1 0 60 B 6 67,818 7 0†	Ha. A. T. 48 D O 0 6 B 211 H 63	Pa, a. p. 25,100 11 0 154 11 5 1,92,43(1) 6	8,348 89995	6.W7	19,070
Total for 7) weeks	171,347	1,41,073 14 0	11.13,611 80	74.108 8 0	983 0 a	2,17,430 6 0	62,275	56,447	103,718
Companyor.									
Total for corresponding week of provious year,	20,4000	15,180 8 9	61,880 Q	15,00% & 0	8 8 25	95,948 3 3	7,775)	0.9 50	11,000)
Per mile of railway occusponding week of previous year.		PS 14 9		68 18 6	9 8 4	169 14 Jú		raq.	рь.
Total for corresponding 74 weeks of provious polic.	170,048	1,42,860 0 0	U,47,014 SG	984061 P 7	349 1 0	3,35,855 12 3	69,134	17,046 ,	91,839

* Beducted No. of passengers 399 and Ma. 497
† Added mounds 4,85,365 and ., 5,329
On account of difference between the approximate and audited figures for the week suded 18th July 1908.

5 Andreed figures up to 18th July 1908.

1902.

Abstract of progressive weekly returns of all sarnings for 1902 in comparison with 1901.

Open Tellrege,	Purgood.	Conobine Traffic.	Marchabeller and Missent Traffic.	Other surgicula.	Total, Pas mile of referring.	Tukelt mendeber
*160 % *1.00 % 1.00 % 1.00 % 1.00 % 1.00 %	12 days of July Week system 12 th Fig. b Tad Aug. 19th 19th 19th 23rd 25rd Tomks up to date	Number of Passens states of Passens space. ** ** ** ** ** ** ** ** ** ** ** ** **	16.da. 0.0. 1.41.494 19.542 5.65.418 26.284 98.854 7.900 94.878 9.40 77.818 9.40 90.991 7.853 76,180 9.100	He. US 42 47 61 45 42 45		No. Bata. F. 25,185 5 4 5 15,717 6 4 26 15,825 1 5 4 5 15,827 1 1 4 1 15,827 1 1 1 4 1 15,827 1 1 1 4 1 15,927 1 1 1 2 4 1 15,927 1 1 1 2 4 1 15,927 1 1 1 2 4 1 15,927 1 1 1 2 4 1 15,927 1 1 1 2 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Abstract of progressive weekly returns of all sarnings for 1900 in comparison with 1901-concluded.

7901.

100:34 100:24 100:24 100:24 100:24 100:34	Us days of July West onder with " 17t	Nomber of Passesser, 12, 25, 25, 179 21, 252 22, 179 21, 257 24, 257 25, 257 25, 257 25, 257 25, 257 25, 257 25, 257 25, 257 25, 257 25, 257 25, 257 25, 257 25, 257 25, 257 25, 257 25, 257 257 257 257 257 257 257 257 257 257	3f da. 3f-a. 10-7-64 86.137 10-7-64 86.137 10-7-64 86.137 10-7-64 11-672 11-672 11-672 11-672 6-665 6-665 6-665 10-665 6-665 10-665 6-665 10-6	12	#2.018 92.018 98.334 20.072 34.289 30.789 \$4.347 24.340	Bat. and 170 179 814 1200 1260 1100	Na. \$1,946 21,721 21,936 11,936 11,000 21,104	
	Potair up to date	370,948 1,44,665	P,47,015 29,041	849	E,86,305	106	142,919	3 1 4

* Auditat figures.

SUPPLEMENT TO THE CALCUTTA GAESTTE, SEPTEMBER 10, 1902.

SOUTH BEHAR BAILWAY.

Approximate Return of Traffic for week anded 23rd August 1902, on 78.76 miles open.

<u> </u>	Coacuting	Thappic,	Mercuaspine . Inch	Nic. Tad Mikhere	Other combes	Total cornings.	TRANSTO	Taxin-note	I MOY.
	Number of passengers	Conclude recopes	Wolght carried.	Receipts.	(entimated).	Total our single	Conching.	typine" Brancopinis	20042.
Total relific for the work	0,838 71,84°* 10,688	Rn. 4, Fo 0,700 F B 75 ¥ 2 42,176 J 0*		He. A. P. 1,098 4 0 24 6 9 35,007 21 01 10,060 15 0	38. A. F. 98. 0. 0 0. 5. 5 364. 0. 0; 190. 0. 4	Ra. a. P. 7,700 4 0 67 14 1 67,367 28 0	1,070 18,111} 13,090	460 4,004, 6,887	3,466 19,656 81,457
COMPASSON. That he corresponding we keel previous year for such of railway corresponding by which all previous part of previous processing the corresponding by which all previous parts.	11,5% (At,538	0,311 18 9 98 13 16 00,430 10 A	35,000 140 	2614 B	13 8 0	0,137 18 7	2,119 	1,166)	3,307-j

9106 o

Abstract of progressive weakly returns of all carnings for 1902 in comparison with 1901.

Open Period,	Conclude Traffic.	Merchandine and Mineral Traffic.	Other. curnings.	Total.	Per mile of railway,	Train milese.
Total applicable of John State of John State of John State of State of John State of	Number of passengers, 29,556 13,210 13,210 13,210 14,556 17,556 17,565 17,565 17,565 17,565 17,565 17,765 19,775 1	Md s. 18 s. 70,1607 4,278 55,408 6,188 4,251 85,010 2,181 81,056 80,100 2,044 80,100 2,044 22,478 1,928 2,81276 10,001	21 21 21 21 21 21 21 21 21 21 21	Ha. 10,25 9,724 8,780 7,251 7,051 7,001 7,100	En. 214 111 112 112 57 08 1107	Rate, Ro, 4, 7, 6, 901 2,078 3, 6, 8 3, 7, 10 3, 10 4,

Abstract of progressive weekly returns of all earnings for 1902 in comparison with 1901-concluded.

1901.

78-16 - 78-16 - 78-16 - 78-76 - 78-76 - 78-76	Fig. days of July Week ended such Sed Aug Sed Aug 1015 124 124 124 124 124 124	No. of Passerpass, pp. 85a 10,208 19,007 52,008 14,002 23,221 1,444	E8. 102754 5,9873 5,087 18,987 12,784 11,724 5,212	Midn. 22,743 80,245 48,004 84,004 89,603 32,006	Bris. 6,177 7,181 2,687 7,915 3,552 2,740 2,000	Ba. 24 9 14 14 24 27 20	Tax. 15,354 8,501 10,945 10,955 12,425 14,648 4,138	60. 806 116 159 21-8 981 184 116	Nn. 6,143 3,507 3,308 3,305 3,307 3,807 3,807	But 4. P. 2. 10 4 2 11 6 2 1 6 4 3 6 4 3 6 11 7 8 11 7 8 11 7 8 11 7
Si .	Totals by Codate	172,850	01-2451	8,61,196	\$6,556	1.au	84,174	159	20,060	8 9 Ln

^{*} Audlud Ilgarou.

BENGAL CENTRAL BAILWAY COMPANY, LIMITED.

Approximate Return of Traffic and Mileage for the week ended 23rd August 1902 on 139 miles open.

The second less are a second l	Corculat	TRAFFIC).		(A) (A)	INTO MERITANIAN PERI				TRAFFIC	Taare-Min	O ROX.
	Number of passengers.	Coach! recolp!		Weight carried.		Baceripta,	Other mornin	bącu.	Total carnings	Conching.	Hereina- dias.	Total.
		Rel	A. P.	Mana	a. [Rt. A. F.	He A	. P.	Ba, A. P.	:		
Total smalle for the week the per mile of radius,	\$1,755	11/94	9 6	90,075 904		10,480 0 0 15 0 0		0	32,768 0 6 . 100 0 0	8,509	II,005	2,8
Per previous I weeks of built-	\$39,951	1/0,068	0.0	3,39,759	0	ad,648 D 0	751 0	a	1,34,002 0 0	23,510	19,339	41,5
Total for 5 weeks	968,890	1,08,952	0 0	4,41,749	D	47,073 0 0	B03 U	0	1,48,857 0 0	\$1,078	25,844	#H-0
Total for ourresponding work	80,192	18,900	8 0	1,82,807		17,800 P 0	290 0	0	30,625 0 0	2,800	6,896	9,1
Per mile of rullway correspond- ing week of provious year and that to corresponding date of precious year	232 234,400		0 0		113	158 0 E					32,197	177.A

^{*} Conching traffic enteristed on 130 miles cely.

EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B., K.-D., DACCA, AND ASSAM-BREAK SECTIONS.)

Approximate Return of Traffic and Mileoge for the week ended 23rd August 1909 on 861 miles open.

	Сотсыл	e Thaypio.		Munonarbe Ti		Mad Mini	HLL	Other ear	Other earnings		Total		TRAFFI	Trats-mir	DE ROW.
g-	No. of passengers.	Oreobing receipts.		Weight corred.		Receip	d.	forry)			ôterning		Cosching.	Merchan- dise.	Total,
print traffic for the week	207,400 341	25s, A. -6s,790 0 104 6	0.0	10,81,830	B- 0- 0	Ba. 6,50,150 (V)	4. F	\$1,100		1 5	5,61,640	P.	\$7,900	61,666	79,00
Logs he h.	1,488,090	6,98,840 (0	16,80,000	Ď	10,08,280	0 9	82,740	Q p	107	7,67,900	Ď Q	264,502	849,174	607,336
Total for 6 wholes	1,596,610	7,65,630 0	0	67,62,590	0	19,68,340	0 0	98,990	0 0	h:	1,39,100	0 0	\$10,464	284,414	674,480
Содинальой.															
Jobal for corresponding week of provious year For mile of railway correspond-	161,15\$	61,377 0	8	30,61,205	0	1.85,800	0 8	11,689	0 0	1	1,171,408	0 0	96,682	45,633	BR,100
ing work of previous year	140	96 0	Į.	1,943	0	870	0 (1	0 0		372	O D	Mr.		MIN
bles, page 3600 444	1,708,158	7,385,898 0	9	73,40,965	0	10,22,379	9 0	1,11,500	0 0	20	903,5:f,0	0 0	190,323	200,000	590,364

^{*} Excluding ferry earnings.

BRAHMAPUTBA-SULTANPUR RAILWAY.

Approximate Return of Traffic and Miliage for the week ended 23rd August 1902 on 59.19 miles open.

	COACETE	O THATFIC.	Mercharbten Tha	AND MINDRAL .	Othorearman	Tion I	Thausto	TRADE-SCH	
	No. of passengers.	Cosobing receipts.	weight	Bloomsphill.	(including lerry),	Tatal estrings,	Gosobing.	Merchan- due.	
1		Ba, & P.	Mon. s.	Ra. A. P.	Ва, д. у.	Ba. A. F.			
Or pix mile of pathway	6,190 100	1,530 D D 81 p D	46,100 O 779 O	6'24y 0 0	100 g	4,780 0 0 116 0 0	7,078	1,084	\$,140,
3000 be 10	44,180	12,550 0 0	1,79,670 0	16,060 0 D	380 ° 8	19.860 D D	7,446	7,830	14,070
Total for 5 weeks	- 51,110	18,880 0 0 .	1,18,379 0	20,830 0 q	270 0 0	88,680 0 0	8, 584	8,818	16,694
Companisor.									214
Total for corresponding week of	6,696	1,788 6 0	88,656 0	4,369 0 0	18 0 0	6,888 0 0	787	1,013	4900
be week of previous year	132	80 O B	505 8	77 0 0		163 8 0		-	rde "
Total to corresponding date of	40,443	13,635 0 0	1,90,108 0	19,740 0 0	160 0 0	53,646 O 0	0,628	10,778	11,605

MYMENSINGH-JAGANNATHGANJ BALLWAY.

Approximate Beturn of Traffic and Mileago for the week ended 23rd August 1903 on 53'37 miles open.

	Coacul	o Taarri	o,	Meronavi		AND MATE	-	Other sarnings	Tab			TRAFFIC	Thank-mich	a myster
	No. of passesses.	Coachi		Walght parz	ŋd,	Receipt	it,	(erry).	- Hitaliya (n pa.		Coaching,	Kerehau- dim,	Total
		34.	A. P.	M.pa.	п.	F4, 4	г.	Bo. A. P.	Ba.		۳.		_	
the traffic for the week.	1,510	2,130 40	8 0	25,430 616		F-820 (:	30 0 e	3,870 60			1,306	1,000	8,6
MAN HE HE IN	#3.M0	14,450	0 0	1,10,870	Ū.	6,710 0	0	170 0 0	10,330	0	9	8,040	8,979	14,40
Total for a weeks	60,688	16,090	0 9	1,86,800	0	6,930 () Q	300 0 0	29,700	0	0	9,173	2,009	1441
COMPARISON.														
white of rathern and	7,507	1,910	0.0	16,153		586 (0	and D o	1,794	0	ū	1,090	748	1,71
of the state of th	143	5.6	0 0	840	₽	39 (0	100	65		ı		p.s	PAP
bestood hour and best of	69,948	15,677	6 0	88,648		3,824 (0	208 0 0	19,608	D	ij	8,700	6,517	1,6,81

DAUCA STATE BAILWAY.

Approximate Robert of Traffic and Mileage for the week ended 23rd August 1902 on 88 miles open.

	Colonia	TRAFF!	a	í	MEEDEARD	COT MAS	The Mes	HAAI	Other on	riolita	uca.	Total		TILIFFE	TAAIN-MIL	M RCY,
	No. of punergets.	Courts			Walkhe carried,		Remip	la,				-		Cosching.	Marabara dian,	Total
		Bar	4.	r.	Blue.	п.	Bq.	k, F.	lla.	à.	P.	24. 4	L 2,			
Total truffic for the seek	12,400 100	6,300 Tg	0		50,869 308		2,440 2fl	0 0 0 0		0		6,990 199	0 0 0 P		1,999	4,556
For personal 7 weeks of half-	177,720	40,440		١.	1,45,530	0	10,590	ō n	1,860	Û	1	61,410	0 0	39,454	30,642	20,00
Total for I weeks	100,1½i	85,630	p	P	1,45,550	0	18,650	0 0	1,060	Ð	0	70,840	0 0	99,198	13,126	\$4,84
Companied),																
I ctal for corresponding week	BUTLU 1	0,941	D	0	36,776	D	34,514	0 ti	41	0	0	10,689	6 D	3,686	3,567	6,102
ing much of pravious year	452	51	ů	û	414	[ª	41.	0 0	1	ñ	ų Ì	143	0 8	189	400	311
Total to corresponding date of protocol your gold	LUJ, 86A	AA _p 028	0	D	2,13,397	B	19,370	0 0	6, 705	ā	U	79,000	0 0	105,750	15,171	\$1,895

COOCH BEHAR STATE RAILWAY.

Approximate Return of Traffic and Mileage for the week ended 23rd August 1902 on 3578 miles open.

Same and the same									<u> </u>
	Coacnibe	TLIFFIC.	Marchandum . Trap		Other earthway (including	Total	Тилээнс	TEATS-MILE	D RUS.
erite f	No. of passengers.	Concluing receipts.	Weight carded.	Beerlpts.	ierry).	earnings.	Conching.	Mateban-	Potal.
		Ka A. P.	Mar. a.	Na. a. p.	Bs. A. P.	Re. 4. 2.			
the tary make of fallway	2,401 72	030 0 0 23 0 0	9,490 0 281 0	1,130 0 0 33 0 0	20 0 0 1 U D	\$.080 0 0 62 0 0	249	2,118	2,80
Poor - Well of daily	17,5165	G,1401 at 11	45,720 0	0,210 0 0	120 B O	12,430 0 0	1,038	13,036	[3,36
Total for 8 works	26(309)	7,080 a u	. [94,436 d	7.5HI 0 0	140 0 0	14,610 0 0	E,206	15,746	147
Сомелянов.									
Per talk- of recively correspond-	1,041	905 0 0	6,637 0	747 D G	136 O D	1,990 0 0	219	460	17
ting word of periodolla Sant	55	87 0 e	107 0	\$2 Q 0		43 0 0			п.
look to continue the date of	15,408	a'001 6 6	\$1,630 0	5,927 D O	1,099 0 0	fa'diq n ş	3.777	0,276	5,98

Ballast transmiles, 1,800.

BENGAL AND NORTH-WESTERN BAILWAY.

Approximate Return of Traffic for the week ending 23rd August 1902 on a 1,261 miles open.

e .	Солсина	TRAFFIC.	MERCHATPIES TRAI		.Other earnings :	Total	TAAPPIC	TOAIN MIE	pp parts.
	No. of	Messiple,	Wakelet carried.	Mecopia.	including Nonth-boat.	varnings.	Occuping.	Marchan-	Tole
Total timble for the treek on (e)		Re.	Mag.	No.	Ra.	Ba.			-
Ur por mile of callway on their.	174,400 (143,434	• 72,790 577E	6,0%,840 (8'90'8')	(5)46,540 40'84	10,390 16138	(b)1,48,720 117°94	60,007	(c) 25, 236	14.16
3 mt	1,204,330	4.06,010	87,87.010	4,20,930	1,03,350	10,31,250	978,070	907,107	MS,788
Total for 7) weeks	3,472,750	6,79,700	40,90,180	4,17,470	1,99,740	11,79,974	\$17,550	240,540	547,649
COMPARISON.									
feed for oversupositing week of previous year on 1,351 miles upon the miles operanous of railway correspond	170,000	75,557	3,00,017	46,196	17,029	1,39,501	5 1,13 1	(4) 117,084	42,161
Solul to corresponding date of	146.82	U0.5E	229'48	3613	13'04	11078	ets.	+= '	u-
1000 11 (2h) 90h 10 11	1.400,436	5,45,990	44,60,374	5,00,632	1,43,013	11,81,637	260,975	129,829	426,121

⁽a) 1:46 miles removed from an and oned him re old Happer time at Musafferper yard from January 1809—eids statement X111 of half-goedy accounts.

(b) Ha 5,457 due to cally spaceful had bulled trains, remainder to public walls. Bullet trains sarnings were hither to oredited monthly, they are positively to be included 5,000 miles of bullest trains trains of the public trains of the publ

SEGOWLIE-RAKSAUL BRANCH RAILWAY.

(Worked by was B. & N.-W. RAILWAY.)

Approximate Return of Traffic for the week ending 23rd August 1902 on 18 miles open.

	Ocaumin	TRAPPIO,	Мансиа Уриж Тъл			Total		Thain-mil	
po	Passengers carried.	Reestpts.	Weight curried.	Receipt ₁ ,	(officialed).	seruinge.	Conching.	Merchan-	Total,
Potat traffic for also wood on Li	No.	Za.	Mai,	Ba.	Ba.	B,c,	1	1	
this spen If par male of Tallway For prayings 6) weeks of ball.	0.77	m.) r	808 17*11	18 0'7s	9 1/45	1.1.1		116	
THE DIVISION OF WOODS OF LEADING	9,902	1,826	50,833	1,177	43	2,0-HI	2,486	098	8.174
Zotel for ?? works Companient.	PJBIS	1,888	55,541	1,490	61	2,109	2,496	BSń	3,174
Total for corresponding week of gravious year on 18 miles open.	9,070	808	8,459	297	7	ıslo	393	191	004
Parante of railway correspond- ma week of previous fact Fotal to corresponding date of	148-83	10.84	3156100	13:50	urau ,	2073B			Del II
promited 5-96 - H	19,390	9,617	67,±w	11,790	907	4,514	9,331	678	181.400

Note, -The two was closed for all descriptions of tradic from 18th August 1905 owing to Scotle.

ASSAM-BENGAL RAILWAY.

Approximate Beturn of Traffic for the week ended 23rd August 1902 on 558 miles open for all descriptions of traffic, and additional 31 miles for gottle and parcels traffic only.

,	COACRIE	o That II.	Menchardise Tray		(Nath			ina-wast o	Market No.
	No. of passengers.	Cosching recoupts.	Weight carried.	Receipts.	Other earnings.	rocer éetaplalité	Conching.	Moroban-	Total.
4		Mar. A. P.	Māi, p.	Ra. A. F.	56a. a. e.	Bit A. T.			
retailes for the week.	67'25	16,487 0 6 27.75	1,58,544 0 900'60	16,676 U 0 2678	eniá 0 0 1100	10,750 o 0 3372	0,07K	8,509 14:60	14,671 26:30
711 111 -1- 111	HA 1 705	1,19,408 0 6	111,96,814 0	1,03,431 0 0	9,948 0 0	2,81,171 0 0	44,014	34,891	256,28
Total for 8 weeks	201.100	1.27,970 0 6	12,50,365 4	1,17,107 0 0	5,874 0 0	2.54,960 0 0	21,801	68,164	126,170
Соптавлен,									ap
otal for corresponding week of previous year	23,733	13,514 0 0	. 55,150 0	15,700 0 p	ilus o p	25,817 O D	7,042	4,063	14,024
men re internation date of	-NE-29	21.77	160-99	27197	191	201001	12:00	R.05	93196
prortone year or	907,480	1,94,454 0 0	8,71,918 0	1,50,630 0 0	0,027 U D	2,85,080 0 0	B0 (284)	47,583	96,547

FINANCIAL YEAR.

Approximate Statement of Gross Receipts of the Assam-Bengal Bailway.

Macking Black	Adams, fol	aroko L	Bucger 341	THE POR WHEN THE AVOVAT 19	diedibakio dia.		L PUCHIPTO PER PRIL 1908 TO ST AUGUST 1908.			L RECEIPE PER PART, 1901 TO 114 AUGUST 1901.		Total	Total
Mate militare technic	Receipte,	Por mile worked.	Mean mileage worked.	Receipts.		Mean mileage worked.	Total receipts.	Por milq worked.	Mean mileogo worked.	Total receipts,	Par mita worked	1903.	1909,
650	Mn., 20,700	No. 58-73	378	32a. 39,077	Ra. 02:43	563	Ra.		I 578	Q.i. 7 ₁ 8 3 ,848	M=	Re.	Re. 75,510

SECOWLIE-BARSAUL BRANCH RAILWAY.

(WORKED BY THE B. & N.-W. RAILWAY.)

Approximate Return of Traffic for the work ending 30th August 1903 on 18 miles open.

er.	Оол сити а	TRAFFIO.	MERCHANDUS A	Ha.	Oibur earnlage	Total	TRAFFIC	Thank-Mills	no rol
*	Pamingers (surrisel-	Receipts.	Weight currind.	Receipts.	(ortimated).	escuings.	Conching.	Merchan- dise.	Tota
	200,	No.	Mds.	pla.	Ra.	Pa.			
otal traffic for the week on the	1,01,83	\$07 807	56#883 F,996.	198 14100	19 ±155	486 10°94	340	198	1
or previous 14 washs of half-	11,684	7,399	45,640	1,390	-81	11,000	9,465	588	1,0
Total for \$4 meeks -	אדל,ונ	1,035	65,887	1,458	61	5,150	9,495	818	3,4
Companies. Total for norresponding week of provious year on is hilles open for miles open for miles open for miles open provided with a companies of previous year. Total to corresponding date of previous year.	\$,763 165/80 \$1,165	808 21*79 3,050	8,500 657:28 65,563	100 11:06 1,010	9 0°47 98	600 63°83 6.106	3,745	 744	4,1

Korn.—The line re-opened for all descriptions of traffic from 84th August 1908.

SEGOWLIE-BAKSAUL BRANCH BAILWAY.

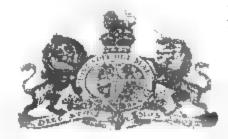
(WORKED BY TEB B. & N.-W. BAILWAY.)

Audited Beturn of Traffic for the last 9 days of June 1902 on 18 miles open.

	Concerns	n Thayric.	Hundren green	APD MIPREAL	Other cornings.	Total carologo.	Тилуун	C TRAIR-MEG	M ATO.
	равень деле систем,	Receipts	Weight curried.	Mocetyta.			Coaching.	Morehan- dim,	Total
forst truffic for the week on it facts upon to be new gale of railway. Per previous that weeks of half-	3,079	R4, 4, p. 547 2 B 30 0 4	Nos. 81,118 1,158-90	26. a. y. 481 1 11 26 B B	Ba. A. F. 4 6 0 0 3 11	987 10 4 04 13 11	66) Henr	BB9	
Total for the \$51 weeks Comparison.	(KU, 198	10,656 10 5	3,21,666	8,116 G 7	861 8 0 S6s 14 0	12,600 p 0 300,100 3 4		8,596	SE,OI
Total for regresponding week of providing speed of providing week of providing week of the state of providing week of providing week of providing speed of providing speed of providing speed of providing speed of providing speed of providing speed of the speed of th	2,417 131-29 63,189	430 6 B 23 14 3 . 6,998 19, 31	14,685 01,5750 11,66,697	975 10 6 15 8 1 20194 2 7	-0 0 0 -0 0 8 760 16 0	703 9 11 59 1 1 19,817 18 6	470 	106 8,195	1574

DARJEELING-RIMALATAN RAILWAY COMPANY, LIMITED,

				1	Eą.	.	P.	Ra.	4.	p.
Approximate earnings for the week ending 80th Aug. 1905	{	Goods Other es	urnines.	18.	046 835 441	0	0 0	19,812	0	0
Audited sarnings for the corresponding period of 1901	{	Conching Goods Other es	g	4,7 10,1	769 815 609	0	0}	16,488	0	0
				Incrept	0			4,229	0	D
Beecipts per mile for the week ending 30th Aug. 1902 Bitto for the corresponding period of 1901		***	141	h-q			401	888 808	7 0	0
				Increas	Ю		181	84	14	1
Beceipts from 1st July to 20th Aug. 1903 Ditten for the corresponding period of 1901		***	***	- hp	-		141	1,14,976	0	0
				D естеци			***	7,919	0	0



SUPPLEMENT TO

The Calcutta Gazette.

WEDNESDAY, SEPTEMBER 24, 1902.

OFFICIAL PAPERS.

[Non-Subscribers to the Gazerre may receive the Suprament separately on payment of five rupese per annum if delivered in Calcutta, or seven rupese and eight annue if sent by poet.]

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tagebone Fluidation and Factory to thought for the year tour 1002		Page	Page Concerns and Rasiero Cana) for the week ending Satur-
	Foother and Crop Report for the week entities the 22nd September 1902	1863	day the 20th September 1908 Somita of the Retorological Observations taken at the Allors Observatory from 18th to 20th September 1902 1375 Eastern Sengal State Hailway during the month of June 1902

ANNUAL REPORT ON THE GOVERNMENT CINCHONA PLANTATION AND FACTORY IN BENGAL FOR THE YEAR 1901-1902.

The 12th September 1902.—The following extracts from the Annual Report on the Government Cinchous Plantation and Factory in Bengal for the year 1901-1902 are published for general information.

E. W. COLLIN, Offg. Secy. to the Govt. of Bengat.

No. 149C., dated Royal Botanic Garden, Sibpur, the 14th July 1902.

From Major D. Prain, M.E., L.M.S., Superintendent, Royal Botanic Garden, Calcutta, and of Cinchona Cultivation in Bengal, and Government Quinologist,

To—The Secretary to the Government of Bengal, Financial Department.

I have the honour to submit the report of the Cinchona Plantation and Factory for the official year 1901-1902.

Forticth Annual Report of the Government Cinchona Plantation in Sikkim, being that for the financial year 1901-1902, and also the Report of the Factory for the same year, by Major D. Prain, i.m.s., Superintendent of Cinchona Cultivation in Bengal, and Government Quinologist.

1. Weather and General.—The rainfall during the year was below normal; 92-69 inches, as against an average of 123-01 for the preceding 27 years. As compared with 1900-1901 the number of rainy days was greater, 153 as against

2. Plantation and Crop.—The number of plants put out during the year was 485,530. These included 397,010 Ledgerians, 26,078 Succirubra, 55,007 Hybrid No. I, and 7,435 Hybrid No. II. This latter, which appears for the first time in this report, has been raised by crossing Ledgerians with Succirubra; the Hybrid of former reports, to be designated in future Hybrid No. I, is a cross between Succirubra and Officinalis. It is hoped that the new hybrid may possess enough of the richness of Ledgerians with enough of the vigour of Succirubra, to admit of its extensive cultivation on the Rungbee part of the plantation where the conditions are most unfavourable for Ledgerians itself.

The area planted at the head-quarters plantation (Mungpoo and Sittong) was 88'28 acres; here 121,828 Ledgeriana plants, all the Succirubra and Hybrid No. 1 plants and 3,085 Hybrid No. 11 plants were put out. At Munsong 103'58 acres were planted with 275,182 Ledgeriana and 4,350 Hybrid No. 11 plants.

The nursery stock of seedlings on 31st March 1902 was 21,500. As compared with 31st March 1901 there were in the lines 2,000 plants more of Hybrid No. I and 3,000 more of Hybrid No. II, but 11,500 fewer Succirubra and 32,000 fewer Ledgeriana. There were thus 38,500 fewer plants to be put out after 1st April 1903 than there were at the same date the preceding year, indicating an earlier planting season in 1902 than in 1901.

The total number of living trees of all kinds in the permanent plantations on 31st March 1902 was 2,763,286. Of these, 1,928,422 were at Mungpoo (including Rangbee and Labdah) and 246,648 at Sittong. At Munsong, in the Dumsong forest, there were 588,216. The trees included 2,000,092 Ledgeriana, 234,446 Succirabra, 2,130 Officinalis, 519,183 Hybrid No. I and 7,435 Hybrid No. II. The increase as compared with 31st March 1901 was 379,758.

Planting at Munsong this year has been less successful than could be wished. A failing water-supply at the nursery-lines compelled the Deputy Superintendent to plant early as the least of two evils; the result has been a very high proportion of casualties. Arrangements have already been made to meet the case and to replant where replanting is necessary.

During the year 600 maunds of bonemeal, at the rate of 10 maunds per acre, were applied to four-year-old einchonas. This manure acts slowly, and as yet little difference is apparent in the condition of the trees so treated.

The crop taken from the plantation during the year has been 203,405 lbs. of dry back. From Mangpoo the quantity taken was 165,808 lbs.; from Sittong 37,597 lbs. The crop has been composed of 120,294 lbs. Ledgeriana, 3,306 lbs. Succiratra and 79,715 Hybrid No. 1. From the Mangpoo Division the back has been taken from outlying and sparse patches of Ledgeriana and Hybrid No. 1, which have been uprooted in accordance with the policy pursued during recent years of concentrating the area under cinchona so as to admit of its higher cultivation. The Sittong division has never given satisfactory results with Ledgeriana, and the last trees of that kind have now been harvested from the division. The whole of the back thus harvested has been made over as usual to the Quinologist.

3. Factory and outlurn.—Work in the factory has gone on throughout the year without accident or delay. Very considerable improvement has been effected in the arrangement and method of working. The improvements have necessitated various renewals and a number of additions to the factory

The raw material worked up during the year included 390,0431 lbs. Ledgerians, Hybrid No. I and Officinalis bark which provided 10,010 lbs. 12 oz. of suphate of quinine, the average yield being 2.56 per cent. The residual (amorphous) alkaloids that are left over in the process, accounted for during the year, amount to 5,867 lbs. In addition to this quantity, 99,600 lbs. of Succirubra and Hybrid barks to which 4,980 lbs. of residual alkaloids were added, yielded 3,424 lbs. of cinchona febrifuge. The total outturn of manufactured products for the year has thus been 13,434 lbs. 12 oz., an increase as compared with the previous year of 3,599 lbs. 12 oz. This increased

quantity included 2,663 lbs. 12 cz. of sulphete of quinino and 936 lbs. of cinchona febrifuge.

4. General charges.—The charges debitable against the department as a whole have amounted to Rs. 25,632-7-11, as against Rs. 28,769-10-6 for the preceding year. These charges include pay of clerical and menial establishment, Rs. 4,935; postal and telegraph charges, Rs. 521-12; advertising manufactured articles, Rs. 1,052; and taxes (road and public works cesses), Rs 1,475. They include, besides, the expenditure incurred in opening up new and extending existing plantations (as apart from the upkeep of permanent plantations and the horvesting of bark) and expenditure in additions to the factory (as apart from cost of working and of manufacturing quinine and febrifuge). The charges for extensions amounted to Rs. 9,895-7-8, being Rs. 6,629-1-11 for planting 103-58 acres of new plantation at Munsong and Rs. 3,266-5-9 for planting 88-28 acres at head-quarters. The corresponding general outlay in connection with the factory amounted to Rs. 7,753-4-3.

5. Plantation charges.—The charges directly debitable against the plantation for upkeep and for the harvesting of bark have been Rs. 55,602-8-10, as against Rs. 50,428-10-6 for 1900-1901. Against this outlay has to be placed the harvest, 203,405 lbs. of dry bark collected during the year which was thus collected at a cost of Rs. 0-4-4-5 per lb., at which rate it passes over to the

Quinologist's Department.

6. Factory charges.—The expenditure incurred in connection with the Factory was Rs. 79,404-2. Of this sum, Rs. 38,000 represents the purchasemency, and Rs. 1,012-10-7 the cost of carriage to the factory, of 120,200 lbs. of bark acquired from private growers; the actual working expenses of the factory for the year were therefore Rs. 40,391-7-5, being Rs. 39,131-5-5 incurred in the manufacture of sulphate of quinine and Rs. 5,260-2 for the manu-

facture of cinchona febrifuge.

In order to produce 10,010 lbs. 12 oz. of sulphate of quinine, 259,371 lbs. of Ledgeriana bark, 72,551 lbs. Hybrid No. I, and 26,728 lbs. Officinate from the stock held on 1st April 1901 were used. The value of this bark was Rs. 29,867-8. In addition 31,393\frac{1}{2} lbs. of Officinatis bark, purchased during the year for Rs. 11,276-11-9, were employed. The total value of the bark used was thus Rs. 4.,164-3-5; this sum, added to the manufacturing charges, gives a total of Rs. 76,295-9-2, or Rs. 7-9-11-3 per lb. Of the residual (amorphous) alkaloid left as a bye-product in the manufacture of quinine, 4,980 lbs. treated along with 99,600 lbs. of Succirubra and Hybril Na. I bark, provided 3,424 lbs. of cinchona febrilage. The value of the bark used was Rs. 8,300; of the residual alkaloids, Rs. 4,720-10; the working expenses amounted to Rs. 5,260-2. The total cost of making 3,424 lbs. of cinchona febrilage was thus Rs. 18,280-12, or Rs. 5-5-5 per lb.

7. Issues of manufactured articles.—The issues of sulphate of quinine for the year amounted to 9,793 lbs. 3 oz., a decrease of 1,213 lbs. 13 oz. as compared with 1900-1901. This decrease is accounted for by the fact that the Jail Department required 1,500 lbs. less for conversion into pice-packets. The demand by Government officers for dispensaries, &c., on the other hand,

increased by 391 lbs. 9 oz.

The issues of circhons febrifuge for the year amounted to 3,670 lbs. 4 oz., a decrease as compared with the previous year of 135 lbs. 13 oz. This decrease is explained by the fluctuating character of the demands on the part of medical depôts. The Mian Mir Depôt took 100 lbs. more than in 1900. 1901, but that at Calcutta required 650 lbs. less. This deficit was to some extent counterbalanced by an indent for 300 lbs. circhona febrifuge by the Principal Veterinary Officer, South Africa. Judged by the only certain test,—the demand by the public generally,—the belief in the reliability of febrifuge as a remedy for malaria remains unchanged. These sales to the public were 113 lbs. 8 oz. in excess of those for 1900-1901.

8. Receipts.—The receipts for the year have amounted to Rs. 1,91,922-5-2 as compared with Rs. 2,27,087-10-3 for the preceding year. Cash receipts have amounted to Rs. 78,441-2-6, and include, besides the receipts for manufactured articles (quinine Rs. 48,521-5-6 and cinchona febrifage Rs. 28,393-8), Rs. 1,296-3 as receipts for crude products (back Rs. 168-3, seed Rs. 40, residual

alkaloids Rs. 1,088), and Rs. 230-2 as receipts for miscellaneous articles (empty soda-drums, gunny-bags, &c.) The book-credits for the year amounted to Rs. 1,13,481-2-8 and have included Rs. 27,550 for issues to the Bengal Jail Department, and Rs. 1,609-8 for issues to the Punjab in connection with the pice-packet systems in those provinces. The other book-credits were Rs. 81,316-10-8 for issues to medical depôts; Rs. 3,000 for issues to the Principal Veterinary Surgeon, South Africa, and Rs. 5 to the Inspector-General of Civil Hospitals, Bengal. The outstandings, representing cash-issues made within the last few days of the financial year, the transactions regarding which were not completed on 31st March, amounted to Rs. 4,401-10.

completed on 31st March, amounted to its 1,20170.

9. Stock account.—The manufactured articles in stock on 31st March 1902 consisted of 2,957 lbs. 15 ez. of sulphate of quinine and 2,534 lbs. 12 ez. of cinchena febrifuge; their respective values were, quinine Rs. 22,323-13-11 and febrifuge Rs. 13,533, these sums representing the cost of production of each of the articles. Rsw material and unmanufactured products included 115 lbs. of residual (amorphous) alkaloids in stock at Calcutta, valued at Rs. 109-0-2 and 1,397,241 lbs. 8 ez. of cinchena bark, valued at Rs. 1,55,904-0-7. The value of stores in stock was Rs. 4,886-5-3, consisting of eils Rs. 2,850-8-3, chemicals Rs. 1,673, and sundries (plaster of Paris, charcoal for purification and spare wheel for turbine) Rs. 362-13.

the Department was Rs. 59,806-1-8, but against this has to be placed the expenditure incurred in writing down the difference between the cost of production and the actual market-value of the bark harvested from the plantation. This amounts to Rs. 18,500-1-10, so that the actual surplus for the year is Rs. 41,505-15-10. This surplus, it has to be remarked, must not be looked upon as wholly profit. The quantities of the various articles in stock were not materially different at the opening and at the close of the year; the enhancement in value noted above is thus due to the fact that a somewhat different method of estimating the value of cinchons bark in store has been prescribed for observance. If this factor in the surplus be disregarded, the difference between income and expenditure, Rs. 31,283-2-5, with the depreciation charge in the bark-harvest, Rs. 18,600-1-10, deducted therefrom, thus leaving an actual surplus of Rs. 12,783-0-7, more approximately represents the profit of the Department for the year.

11. Sale of quining at post-ofices.—The quantity issued to the Jail Department during 1901-1902 was 1,900 lbs., a falling off as compared with the preceding year of 1,500 lbs. No explanation of this remarkably diminished demand has been received from the Departments concerned.

WEATHER AND GROP REPORT.

For the week ending the 22nd September 1902.

Burdwan.—Rainfall at Sedar 2'02, Kalna 0'79, Katwa 1'60, Ranigenj 2'32. Weather fine and hot. Transplantation of aman finished. Weeding of aman and harvesting of ana continues. More rain wanted. Fodder and water sufficient. No outtle-disease. Common rice cells at 11 seems per rupee.

Birthum.—Rainfall at Sadar '13, Rampur Hat 1'05. Weather unsettled. Standing paddy flourishes and doing well. Fodder sufficient, Common rice sells at 12; seers per rupes.

Bankura.—Reinfall at Sadar 15. Paddy and engarcene doing well, but more rain wanted. Fodder and water sufficient. Common rice sells at 13 seem per rupes.

Midnapore.—Rainfall at Sadar 0.43, Contai nil, Tamluk 1.54, Chatal 0.59. Weather hot and cloudy. Harvesting of are going on. Agricultural prospects favourable. Fodder and water sufficient. Cattle-disease reported from Binpur thans. Common rice cells as follows:—

				ides.	ob₁	
Sadar	1 44	100		12	8	1
Contai	144		1+1	13	0	non stance
Tamluk	194	***	444	11	0	ber inbes.
Ghatel	***			12	0)

Houghly.—Rainfall Sadar nil, Serampore 0.36, Arambagh 1.90, Weeding of aman and steeping of jute going on. Prospect of standing crops good. Weather seasonable. Fodder and water sufficient. Common rice sells as follows:—

```
Serampore ... 10 0 | per rupee. Arambagh ... 11 5
```

Howrah.—Rainfall at Sadar 0.02, Ulubaria 0.45. Fall general and recorded two days in the week. More rain wanted for the high lands. Harvesting of the aus finished. Its threeling is going on. Outting and steeping of jute still going on. Sugarcane doing well. Transplantation of the aman nearly finished. Fodder and water-supply sufficient. No cattle-disease. Common rice sells on an average at 11 seers per rupes everywhere within the district.

24-Parganas.—Rainfall at Sadar 1.02, Barasat 0.48, Basirhat 1.12, Diamond Harbour 0.10. Little rain, Weather hot and sunny. Rain argently wanted in Diamond Harbour. State and prospect of standing crops good. Aus and jute still being harvested. Transplantation of aman finished. Land being prepared for the rabi crops in Basirhât. Condition of cattle good. Supply of fodder and water sufficient. Common rice sells — follows:—

Nadia.—Rainfall at Sadar '08, Kushtia 2:20, Chuadanga 1:43, Mcharpur '86, Ranaghat '88. Weather hot. Harvesting of jute almost finished. Prospects of standing crops good. No cattle-disease reported. Fudder and water sufficient. Common rice sells as follows:—

Murshidabad.—Rainfall at Badar 2.69, Kandi 2.80, Jangipur 2.00, Lalbagh 1.22. Weather seasonable. Bowing of rabi crop commences. Hurvesting of ass and transplantation of amon over. Jute being out and steeped in Jangipur. Prospect of sugarcane good. No cattle-disease. Fodder and water sufficient. Common recessels as follows:—

```
Seder ... 11 8
Kandi ... 12 8
Jangipur ... 12 0
Lalbagh ... 11 0
```

Jessore.—Rainfall at Sular 0.05, Jhenida 2.16, Magnra 1.32, Narail 0.08, Bangaon 1.02. Weather seasonable. Prespects of crops good. Harvecting of case completed. More rain wanted. Fodder and water sufficient. Cattle-disease reported from Salikha outpost

in Magura subdivision and from Bagharpara thana in Sadar. Common rice sells as follows:-

```
Badar ... 12 0
Jhenida ... 12 0
Magura ... ... 11 0
Narail ... ... ... 11 8
Banguen ... ... 13 0
```

Khulna.—Rainfall at Sadar 2.67, Bagorhat 0.68, Satkhira 0.18. Weather seasonable. Transplantation of aman nearly completed. Folder and water sufficient. A few cases of cutile-disease reported from thana Khulna. Common rice sells as follows:—

```
Sadar ... 11 8
Bagerhat ... 11 11
Satknira ... 10 8
```

Rajahabi.—Rainfall at Sadar 6:06, Nator 2:19, Naugaon 1:32. Weather hot and rains ceasing. Prospects of standing crop very good. Harvesting of jute and transplantation of amoun nearly finished. No cattle-disease reported. Common rice selling at 12 seers per rupas.

Dinajpur. Rainfall at Sadar 9.43. Fall in the district general, varying from 1.61 to 8.57. Weather gloomy. Standing crops good. Steeping of jute continues. Cattle-disease reported from two thanas. Fedder and water plentiful. Rice selling at 13 seers at Thakurgaen and 12 seers at Sadar per rupee.

Jaipaiguri.—Rainfall at Sadar 1427, Alipore Duars 1611. Fall general and wenther rainy. Haimonti paddy doing well. Prospect involvable. Harvesting of bladsi paddy nearly finished. Steeping of jute going on Lands are being cultivated for tobasso. Common rice sells at 114 seers a rupee. Fodder and water sufficient.

Darjecting.—Rainfall at Sadar 8.23, Kurseong 13.65, Sitiguri 7.81. Weather seasonable. Hills—Raimanti dhan, bara and chhota manus and maize being harvested. Transplanting of harmanti paddy pratically finished. Resping of jute and bhadei going. Prospects good. Coatse rice sells as follows:—

```
Hills 8 0 per rupas.
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Maize solis at Darjeoling at 20 score and at Kalimpong at 34 seems per rupee.

Rangpur.—Rainfall at Sadar 8-59, Gaibanda 2-29, Kurigram 7-83, Nilphamari 6-55. Weather cloudy and rainy. Cutting and steeping of jute and transplantation of amas going on. Water and fodder sufficient. Common rice sells as follows:—

```
Sadar ... 9 8
Uailanda ... 10 0
Hurigram ... 11 0
Nilphumari ... 10 8
```

Bogrs.—Rainfall at Sadar 1 25. Fall general. Transplantation of amus finished and estimated at cent. per cent. of usual area, coming up well. Harvesting of jute going on. Fodder and water sufficient. Common rice sells at 12 seers per rupes.

Parms.—Rainfell at Sadar 199, Sirajganj 3'93. Weather cloudy and rainy. Showers general. Prospects of anen and sugarcane fair. Fodder sufficient. No cattle-disease Common rice sells at 10 seers per rupee.

Dacca — Rainfall at Sadar '86, Manikganj 2:75, Munshiganj '63, Narayanganj '2. Prospects of crops fair. Weather seasonable. Fodder available. No cattle-disease. Common two sells at 11 seers per rupee.

Mymen-ingh.—Rainfall at Sadar 2-13, Jamalpur 2-54, Kishorganj 2-93, Notrakous 7-25, Tangail 0-07. Weather seasonable. Jute steeping going on. Transplantation of amoun nearly over. Fodder scarce in parts. Water sufficient. No cattle-disease. Common rice solling as follows:—

```
Sudar

Kishorganj

... 12 0

... 11 4

Notrokona

Tangan

... 12 0

... 11 7

... 12 0

... 10 8
```

Fartapur.—Rainfall at Sadar 0.65, Goalando 8.54, Madaripur 0.10. Weather sultry. State and prospects of crops good. Fodder available. No cattle-disease. Common roce

Backergunge: - Rainfall E Sadar 2:82. Fall general. Weather seasonable. Transplantation of aman continues. Prospects fair. Cattle-disease reported from thana Matheri. Folder sufficient. Common rice sells at 13 sears (ass) and 12 sears (aman) per rupes.

Tippera.—Rainfall at Sadar 3.08, Brahmanbaria 1.19, Chandpur '04, Weather seasonable Prospects fair. Amon paddy thriving but damaged by flood in places. Harvesting of jute and transplantation of amon almost completed. Fodder and water sufficient. No cattle-disease. Common rice sells at 14 seers per rupes.

Noaktail.—Rainfall at Sadar 198, Feni 144. Weather seasonable. Horvesting of and nearly finished. Transplantation of amon continues. Prospects fair. Condition of beteleut good. No cattle-disease. Fudder and water sufficient. Common rice sells at Sadar at 12 seers, and at Feni at 13 seers per rupes.

Chittageng.—Rainfall at Sadar 1.75, Cox's Buzar 4.24. Transplantation of aman dhan is still going on. Cattle-disease continuing. Fodder and water sufficient. Rice selling at 12 secre 11 chitaks per rupee.

Chittagong Hill Tracts.—Rainfal at Sadar 1-71. Fall general. Weather warm with occasional rain. Jose harvesting continues. Paddy crop good. Cotton and til bad. Common tice selling at 16 seers per rupes. No cattle-disease.

Patna.—Rainfall at Sadar 0 85, Bihar 1 58, Dinapore 1 25, Hitsa 1 70, Bikram 2 63 Weather hot and cloudy. Harvesting of Indian-corn continues. Transplantation of paddy nearly completed. More rain still wanted. No cattle-disease. Fodder and water sufficient. Common rice sells as follows:—

Gaya. Rainfall at Sadar 2.61, Jahanabad 0.66, Aurangabad 1.09, Nawadah 1.04. Weather hot and cloudy. *Bhadoi* crops being harvested. Prospects of standing crops fairly good, if hathis rain falls general. No cattle-disease. Fodder and water for cattle ample. Average price of common rice is 11 seers 6 chitaks per rupee.

Shahabad. —Rainfall at Sadar 1.31, Buxer 1.71, Bhabhua 2.32, Sasaram 1.16, Dehri 1.50, Weather hot and cloudy. Harvesting of bhadoi continues. Standing crops doing well. Fodder and water sufficient. No cattle-disease reported. Rice sulls at Sadar at 11 seers a rupes.

Saran.—Rainfall at Sadar 1.85, Siwan 3.29, Gopalganj 3.85. Weather cloudy and very hot. Standing crops doing well. *Bhadoi* crops being harvested in places. Transplantation of paidly nearly finished. More rain wanted. Fodder and water sufficient. No cattle-disease Common rice sells at 18 secre per rupes.

Champaran.—Rainfall at Sadar 8.62, Bettiah 2.83. Weather hot and cloudy. Harvesting and threshing of biodox crops still going on. Prospects good. Cattle-disease reported. Fodder and water sufficient. Common rice sells at 15‡ seems and maize at 24‡ seems per runes.

Muzaffarpur.—Rainfall at Badar 46, Hajipur 17, Sitamarhi 2:55. Weather hot and cloudy occasionally. Transplantation of paddy finished. Harvesting of bhadoi crops continues. Prospects fair. Fixider and water sufficient. Prices are —Common rice sells at 11, and maise at 22 seers a rupee.

Daronanga.—Rainfall at Sadar 3-53, Samastipur 2-61, Madhubani 2-15. Prospect of standing crops fair. Codder and water authorism. Cattle-disease is reported from Dalaingsarai police-station. Common rice sells as follows:—

```
Sadar ... 12 9
Samastipur ... 13 8
Madhubani ... 11 6
```

Monghyr.—Rainfall at Sadar 0.13, Begusarai 21, Jamui 2.03. Weather hot and cloudy. Bradoi harvesting commenced. Sowing of childies and sweet potatoes going on. Sugarcane and standing crops doing well. Paddy benefited by recent rains. No cattle-disease. Fodder and water ample. Common rice sells as follows:—

```
Ses, ch.

Sadar

Begusarai

Jamui

Brs, ch.

11 7

11 8

per rupes.
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Bhagalpur.—Bainfall at Sadar 4.22, Banka 3.66, Madhipura 7.50, Supani 8.72. Weather cloudy. Harvesting of marus completed and that of thatoi nearly completed. Transplantation of aghani paidy going on. Prospects good. Water and folder sufficient. Oattle-disease reported from a few places. Common rice sets as follows:—

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Sadar
Banka
Banka
Madhipura
Supanl
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Purnea.—Rainfall at Salar 2.54, Araria 3.81, Kishanganj 1.74. Fall general and good. Weather seasonable. Jute being harvested. Prospects of aghani paddy good. A few cases of cattle-disease reported from Palasi outpost. Fodder and water sufficient. Common rice sells as follows:—

Sadar ... 10 0 (aghani) ... 11 0 (bhadoi) per rapes.

Maida. - Rainfall at Sadar 2.48, Chanchal 3.25, Gajol 3.54, Sibganj 87. Fall general Weather hot and cloudy. Prospects of winter rice good. Harvesting of bhados completed. Cutting of jute not yet finished. No cattle-disease. Fodder and water sufficient. Common rice sells at 11; seems per rupes.

Southal Parganas.—Rainfall at Sadar 1.01, Deoghur 1.25, Godda 3.67, Jamtara 1.58, Paksur 3.26, Rajmahal 3.15. Weather hot with occasional showers. Standing crops doing well. And then being harvested. Fodder and water sufficient. Common rice sells at Sadar at 12 seers per rupes.

Cuttack.—Rainfall at Sadar 1-82. Fall general. Weather seasonable. Early beati being cut. Late beati and sered progressing well. Prospects fair. No cattle-disease. Fodder and water sufficient. Common rice sells at 134 seers (old) and 154 seers (new) per rupes at Sadar.

Balasore.—Rainfall at Seder nil. Beali being reaped. Sarad being weeded. Prospects good. Standing crops with augarcane thriving. Rice sells at 18 secre a rupes at Seder. Fodder and drinking water sufficient. No report from Bhadrak.

Angul.—Itainfall at Sedar 0.24, Tikerpers 0.92, Bissipara 2.41. Weather hot and cloudy. Weeding of paddy, sowing of rabi and harvesting of early miscellaneous crops continue. Common rice sals at 12 seess per rupes at Sadar and Khondmals.

Purs.—Rainfall 0.63. Weather hot. Wooding of winter rice in progress. Hervesting of thader paddy and soundes continues. Sugaroane and other miscellaneous crops doing well. Fodder and water-supply sufficient. Common rice sells at 15 score per rupee. Cattle-disease prevailing at places.

Hazaribagh.—Rainfall at Sadar 2.40, Giridih 0.93. Fall not general. Weather seasonable. Harvesting of bhadoi going on. Cattle-disease reported from three thanas. Fodder and water sufficient. Common rice sells at 13 seems per rupee.

Bauchi.—Rainfall at Sadar 0.28. Weather hot and cloudy. Prospects of crops good. Sewing of sirguja continues. Cattle-disease reported from Ranchi, Karra and Sisai thansa. Fodder and water sufficient. Common rice selling at 14 seers per rupec.

Palamau.—Rainfall at Sadar 2.01. Weather sensonable. Bhadoi harvesting going on. Sugaroane and rice crops doing wall. Rabi fields being prepared. Cattle-disease continues in places. Fodder and water sufficient. Prices at Sadar are—Rice 114 seers, maize 14 seers per rupes.

Manbhum.—Rainfall at Sedar 0.56, Gobindpur 0.64. Weather seasonable. Prospects of crops good. More rain, however, wanted. Fodder and water sufficient. Cattle-disease not reported. Average price of common rice at Sadar is 12 seers, and at Gobindpur 10 seers 5 chitaks per rupes.

Singhbhum.—Rainfall 0.32. Prospect of crop favourable. Harvesting of gora paddy in progress. Average price of rice is 12 seems 6 chitaks per rapee in the district; at Chaibassa 12 seems per rapee.

General Summary.—Rain fell during the week in every district except Balasore, and the full was heavy in parts of North Bengat. The districts of Burdwan, Bankura, Howrah, 24-Pargamas, Jessore, Patna, Saran and Manbhum require more rain. Harvesting of bhados props will going on. Sugarcane doing well. Transplantation of winter rice is almost finished and sowing of rabi has commenced at places. Prospects fair. Cattle-disease reported from 13 districts. Folder and water generally sufficient. The price of common rice has risen in 7 districts, fallen in 10, and is stationary in the rest (30).

By order of the Lientenaut-Governor of Bengal,

W. C. MACPHERSON,
Offy. Scoretary to the Gost. of Bengal.

REVINUE DEPARTMENT, The 23rd September 1902. PRICES-CURRENT (RETAIL) OF FOOD-GRAINS AND SALT

18 700

MEAD-QUARTERS STATION BALARS OF THE DISTRICTS OF BENGAL. DURING THE FORTHIGHT ENDING THE 1874 SEPTEMBER 1808.

1866 SUPPLEMENT TO THE CALCUTTA GAZETTE, EXPTRICEER

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A. Is the subdivisions the Tetali prices of salt per rupes are—Kales 11 seets 3 chitale; Enters 11 seets 12 chitale;

At Ruppin 113; seets.

At Ruppin 113; seets.

C. At a temporal the retail prices of salt is 11; seets per rupes.

C. At a temporal the retail prices of salt is 12; seets per rupes.

B. In the subdivisions the retail prices of salt per rupes are—Scrampore 10; seets; Atambagh 10 seets 10 chitale.

E. In the subdivisions the retail prices of salt per rupes are—Scrampore 10; seets; Atambagh 10 seets 10 chitale.

C. In the sharts in the interior of the duriest the rotail prices of salt per rupes are—Chitale per rupes are—Chetta 10 seets 10 chitale;

H. In the sharts on the interior of the duriest the rotail prices of salt per rupes are—Kuchta 10; seets; Chuadanga 10 seets 8 chitale;

H. In the shartstone the retail prices of salt per rupes are—Kuchta 10; seets; Chuadanga 10 seets 8 chitales;

L. In the shartstone the retail prices of salt per rupes are—Kuchta 10; seets; Chuadanga 10 seets 8 chitales

L. In the subdivisions the retail prices of salt per rupes are—Kuchta 10; seets; Manual 10 seets; Man

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quarters Station Basars of the Districts of Bengal on the 16th September 1908.

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E. In the subdivisions the retail prices of salt per rupes are—Engerbat 10 seem; Satthirs 11 seem.

L. In the subdivisions the retail prices of salt per rupes are—Mafor 10 start 5 shitaks; Naughou 9] seem.

M. No report from subdivisions.

At A lipser Dears the retail prices of salt is 8 seems per rupes.

O. The suball price of salt (pange) at Karsesag is 8 seems per rupes; Sifiguri 9 teets.

P. In the subdivisions the retail prices of salt is 11 seems 10 chitaks per rupes.

G. At Sanguar) the retail prices of salt is 11 seems 10 chitaks per rupes.

E. In the salt is the universe of salt is 11 seems 10 chitaks per rupes.

S. In the salt is the universe of salt is 11 seems 6 shitaks.

S. In the subdivisions the retail prices of salt per rupes are—Kathorganj 10 seems 11 chitaks; Janualpay 10 seems 6 shitaks;

Tangual 9 seems; Satrotona 10 seems 12 chitaks

T. In the subdivisions the retail prices of salt per rupes are—Kathorganj 10 seems; Madaripus 10] seems (created).

L. In the subdivisions the setall prices at salt per rupes are—Final and 10 seems; Madaripus 10] seems (created).

L. In the subdivisions the setall prices of salt per rupes are—Final and 10 seems; Panakhal. 9 seems; Balts 10 seems.

PRICES-OURRENT (retail) of Food-grains and Salt in the Head-quarters

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In the subdivisions the retail prices of salt per rapes are—Sark 11½ seets; Disapose 10½ seets; Substitute 10 seets.

In the subdivisions the retail prices of salt per rapes are—Jahanebad 10 seets; Nawada 16 seets; Attangulard return not received.

Let us subdivisions the retail prices of salt per rapes are—Burne 10 cents; Bhabas 10½ seets; Sasuram 11 seets.

Let us subdivisions the retail prices of salt per rapes are—Hajipte 10½ seets; Gopalganj (Mirgani) 12 matre 2 clustaks.

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g. In the subdivisions the retail prices of salt per rupes are—Banka 10 secre; Madhipure 10 secre; Supaul 10 secre.

Is the subdivisions the retail prices of salt per rupes are—Kishangani 2 secre; Arraria 2 secre.

A Balia Nowabgani the retail prices of salt is 10 secre per rupes.

In the subdivisions the retail prices of salt per rupes are—Bogdiur 10 secre (panga); Godds 10 cece; Jestica 11 secre; Factor 11 secre; Racur 11 secre (kackatol); Rejumbal 11 secre.

In the subdivisions the retail prices of salt per rupes are—Jajpur 10 secre 5 chitaks (panga); Emdrapara 10 secre (punga);

A Shadrak the retail price of salt is 10 secre per rupes.

In the marts in the interior of the district the retail prices of mit per rupes are—tankapur 51 secre.

At K hurds the retail price of salt is 13 secre per rupes.

O Godindpur return set received.

SUPPLEMENT TO THE CALCUTTA GAZETTE, SEPTEMBER 24, 1902.

PRIVER-CURRENT (wholesale) of Food-grains, Firewood, &c.,

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W. C. MACPHERSON,
Offg. Secretary to the Govt. of Bengal,

1974 STEPPERMENT TO THE	ATTUOTAD 5	GAZETTE.	SEPTEMBER	24, 190	12.
THE RESERVE AND ADDRESS OF THE PROPERTY OF THE	UMIANULA A	Charles Francis			

GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

Approximate return of traffic on the Circular and Bastern Canals for the week ending Schurden, the 80th September 1908, as compared with the corresponding week of the previous year.

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lute Reservos		**-	£1	33,82p	498	98	54,760	974 796
Mase articles	-+-	794	711	1,64,4874	2,029	808	1,07,080	1,4 2
	Total	-	1,721	8,41,918	6,044	1,846	3.80,086	3,861

57,162

Results of the Meteorological Observations taken at the Aligner Observatory from 14th to 20th September 1902.

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Month,	Date,	Maximum in 10s.	Snather of boom bright snashon	Moto prover Baronal at 32° Fabr.	Hone	Matheman	Range	History	Houts was beilt.	Tapolar tendon,	Dow point.	Hamidity.	Preventing direc-	Miles resorded,	Rain,	WHATENER.
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e	1865	149-1	41	778	84.5	90-7	11-9	78-8	80-8-	1-066	79-L	85	SE and 6 by W	84	3MIT-	Calefy cloudy,
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ы	20th	148-4	7-0	-773	801	€0-7	12.2	78-5	70-1	-928	77-0	79	85W and min	84	0:71	Partially shoot
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				Telogi				000	hour		+44		***			91:2 Miles, 1 10
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		The to	tal fa	ili trom s fall of								uni,	Surveyor-Gene	ral'a	Ďl	9-15
,	The t	Office near r		re. fem	Deret	sire. d	ka as	n ded	naed	from	the t	PRO	os of the Baros	none Pala		5.95

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thormograph, ad from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the bencometers are verified, and the readings have been corrected to a standard constructed and verified at the loss Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet More the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly the burreyor-Grueral's Office.

The hygrometric elements are obtained from Tebles III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the provement of the wind are taken from the trace of a Beckley's enemograph. The mouth of the ram-range is one foot above the ground. o, overcast; d, drizzling rain; t, thunder; p, passing temporary showers; g, gloomy; 4, ghtning.

N.E.—In the weekly abstract from 31st August to 6th September 1902, read 29 658 for 23 68 as the mean pressure barotaster on the 5th September 1902. G. W. KCOHLER,

INTERROLOGICAL OFFICE, GOVT. OF INDIA; Alpers (Calcutta), the 22nd September 1908. tor Maleo relegion! Reporter to the Goet. of India and Director-General of Indian Observatories.

1876 SUPPLEMENT TO THE CALCUTTA GAZETTE, SEPTEMBER'SL, 1966

HATTERN BENGAL STATE BAILWAY, STATESTICS

Abstract of Principal Commedities carried over the Rastern Bengal State Railway during the month of June 1902 as commered with the same month of the previous year.

Πė,	Brart.	3,040.	3001.	in th 1998.	Decreys in 1946.	Present Symmetry of Persons.
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	(\$) Manufactures	917	344	14	255	
	Place goods. European	300 1,800	1,419	************	***************************************	
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	(8) Orposa	19	10	and July 1	1.	
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	(1) Others in in or in in	9,00	25	147	herrie 4.	
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	(2) Ranks of sheep and other animals—		PHI 100	201-00 401-00 gr		1
11 14	Horse (lodina) and other fibres, surinding title.	in 44	1 145			
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l.B	(1) Ale and Poor (1) Ale and Poor (1) Ale and Poor (1) Ale and Poor (1) Ale and (1) Ale an	33	19	4	1	
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	(8) Copper, unwrought are on	34 13	11	38	# -11	
	(6) Item and stokl— (a) Onth	98	- 6	PFMA	34	
	(b) Unwrongitt	100	700	130	Burn dated	Į.
	(4) Others	#18 #18	140	70		
38	(1) Ecrosins	15.000	4,774	0,000		
	(3) Objection tet		110	*****	1	
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21	(1) Contor	. Ia	1/1	- n	-	
	(3) Lines	1,000	817	1.60		
	(6) The or ingilit	6,120	1,007	"Siles	10.000	
~	(T) (Name)	7.44	1	140	10 mm	
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	Provision		!			
	(i) Dried trotte and here	. 1	4	13		,
	(a) Others		1,806		- 394	

SUPPLEMENT TO THE CALCUTTA GAZETTE, SEPTEMBER 24, 1902. 1877

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94	All other north	OF THE	فالعجب	عيباهن			7,877	6,370	1,157	11-11-1	
				-	'eta!		L10,837	31,50	30,00%	8,497	
					416	16.	Fad fort.	45,500	884600	0,499	

HARFRASAD DAR, for Essainer of Accounts, E. B. S. Ratheny.

Calcourts, the 20th September 1902.

Weekly Return of Trame Receipts on Indian Railways

EASTERN BENGAL STATE RAILWAY.

(Імсьоріна В. В., К.-D., Расса, авр Азнам-Виман Вистома.)

Approximate Between of Traffic and Mileage for the week ended 6th September 1903 on 661 miles open.

	Deacuit	DOZCETS PERSONAL				PYZG.		Other earnings	Total	Thaypa	There's per	Lin ner
i	No of promitigate	Coaching recepts.		Weight ourled,		Zeenipss.		forry).	Jerrings.	Occabing.	Merchan-	You
oinl traffic for the weak per inite of railway per inite of warks of half-	118,180 Jan 1,000,470	84, 4, 96,960 G 319 G 8,87,880 B	0	14,00,000		Be. A. P. 0,09,236 n 6 269 0 0		NA A P. 18,600 0 0 1 0 0°	##4, #, F, 4, 18, 190 0 0 0 0 0 0 0 0 0 0	HT, 404	10,064	67,
Total for 10 tooks	1,114,880	9,48,840 Q	B	97,81,1W	4	18,68,960 8 0	-	1.47,640 0 0			379,403	7aT.
real for commonding week of previous year or mile of palmay correspond- ing week of previous year that to corresponding these of	289,35) ISM	85,862 d 149 b		11.00.955 1,600		2,53,665 0 P		33,61 0 0 1 0 0	5,69,546 ^W o	87,04m	46,246	lis,
provious year	8,000,000	9,18,710 0	0	98,8u,96\$	v	17,04,398 0 0	1	1.68,397 a a	28,54,486 0 0	\$54,485	400,200	281

[&]quot; Excluding larry carnings.

[a) The increase is cheefy due to beary jude traffic.

BRAHMAPUTRA-SULTANPUR RAILWAY.

approximate Return of Trashe and Milenge for the week anded 6th September 1909 on 59:37 miles open.

	Quantities.	e Taan	nr.	MERCHAND	Gara Gara	and Menneys	Diherea	Muzo	Tou		TRAJETO	That were	
	No. of pushessence.	Coact		Weight strike.		Receipts.	(inclu- forc)	distage	imph		Openiday.	Marchan- dies,	Total,
		Ba.	4. Pr	30 14.	li.	Bat. do Pa	Ba.	4. P.	Bo.	4. 7.	<u> </u>		_
Putal seafly for the week De pay wells of reasons. Now previous it weeks of half-	8,600 115	3,780 26	0 0 4 0	80.374 649		N. 910 0 0	100 110		5,864	0.9	566	1,149	15,040
7061 w	86,800	17,190	0.0	B,00,998	0	35,970 6 8	630	0.0	43,620	0.0	9,640	9,4556	16,870
Total for 10 weeks	63,690	11,840	a o	8,96,150	0	88,792 0 0	410	9 0	99,000	b b		10,478	20,911
Petal for netresponding west of												Í	
For soile of culture commenced.	9.187	1,386		23,386	0	9,645 0 0	33		1,010	0 0	Mo	904	1,860
Total to current reduce date of	07	340	0.0	894	9	45 0 0			a _d	0 0	i		red.
Provides year	81,416	10,507	0 0	1,59,346	0	36.110 0 0	204	6 0	63,761	ø 0	8,441	19,000	1.1.10

MYMENSINGH-JAGANNATHGANJ BALLWAY.

Apprehimate Return of Traffic and Mileage for the week ended 6th September 1502 on 53 37 miles open.

	Una desire		Managampung	ARD Marmina?	Other Then wage	7-ctal	TRAFFIG	Тиличица	a nes.
	PRINTERNAL SERVICE	Conchetes Personal .	Ventur served.	Becaupte.	forty.	Partings.	COLOUINE.	Maryania-	Total
		No. A. P.	Man, u.	Mile A. P.	Ba. A. P.	24 A 2.			
business of the week by por these of the sum. for previous 9 weaks of hari-	7,800	2,960 m m	61,690 h	1.860 0 0 pi 0 0	70 0 0	6,860 m p	1,772	3,008	1,5
Total for 10 weeks	27,821	10,000 0 1	2,67,790 0	1,500 0 0	200 0 0	38,150 6 6	19,443	Z.986	16.4
COMPARISON.	21,044	\$5,000 0 0	1.00,08u u	8,850 0 g	370 0 0	\$0,000 0 O	11,765	0,000	Sky
thal for ourresponding week of presides year	2,004	1,786 e e	36,600 +	97a 0 6	44.	3,946 e u			3.0
tal to corresponding onto of	.110	16.6.9	887 8	30 0 0		60 p h	1,001	409	34
Person year	F6,308	30,000 A h	1,00,018 +	6,601 G w		15,000 p p	10,000	3,618	17,

DACCA STATE RAILWAY.

Approximate Itaura of Traffigand Mileage for the week ended 6th September 1903 on 86 miles open.

	DOACHING	TRAFFI	Δ.		Munorant	P 4)	AND Mts	RE		Citnut 967	eda	NEW .	Total	1	į	TRAFFIC	Tualy-114 L	im now.
*	No. of passessions.	Osnohl			Weight narrod.		Bedel	ри.					enta)	pl.		Counting.	Kerchan- disc.	Total
		IA.	<u>.</u>	7.	Mps	IL,	Ba.	à.	P.	Na.	<u>.</u> .	P.	Ro,	4. 1	h			
sectio for the week	000,900 848	8,746 pa	0			:	11,636 81	0	e n	110		0	10,900 197			9,788	1,598	4,000
delicit & ample of pull-	288,040	08,500	0	b	9,15,990	0	17,990	D	Đ	1,816	II.	0	85,350		Þ	14,460	18,438	30,811
Solul for 10 weeks	168,659	79,580	0	0	2,47,550	0	19,860	0	0	8.090	Û	Q	96.510	Ð		57,743	16,177	45,90
Companies.																ļ		
ter norresponding week	16,236	7,649,	<u>D</u> -	ò	80,008	Û	4,401	à	Û	н	P	Q-	19,997	٥	Ū	1,675	3,637	6,90
the of railway correspond-	puli	#1	0	ò	463	Ŷ	41	0	ø	1	0	¢	345		ø	18.	5	***
to corresponding date of	940,478	49,944	0	ø	5,35,448	Ð	19,807	0	0	5,361	1	ш	1,04,858	ø	P	19,401	16,817	47,81

COOCH REHAR STATE RAILWAY.

Approximate Return of Traffic and Mileage for the week ended 6th September 1902 on 3378 miles open.

Солсини	TRADECO.	Keroran bish	PIC.	Other carmingo	Total	THAPPEO TRAIN-MILES 2019.			
No. of possessifers.			Receipte.	lesty),	estaints.	Conching.	Merchan- dus.	Total.	
	Bar as Pa	Stone to	Bit. A. P.	Barra, p. 1	Rt. A. 2-				
11,440 7\$	756 D 8 89 0 0	8,230 Q	1,970 0 0 pa d o	1 0 0	#,080 0 0 61 0 0	196	1,081	9,876	
13,590	2,240 0 0	69,540 0	8,610 0 0	110 0 0	16,610 0 0	8,466	17,849	29,201	
25.009	6,480 0 0	T8,194 6	9,780 0 0	800 U D	\$5,680 0 P	2,761	L9,998	121,074	
1,959	497 4 (6,770 0	7,186 0 D	113 4 4	3,988 0 0	(Intra	836	987	
19,000	19 U C				10,030 Q 0	Į.	6,671	(F. 24	
	No. 58 passesugres. 1,440 78 13,590 25,000		Ro. ot Counting Weight Carried.	No. of Counting Weight Receipte.	No. of Counting Weight Receipts. Chief certains Ciscluding Ierry).	Ro. of Counting Weight Receipte. Receipte. Post	Particle Particle	Part Part	

^{*}Ballert train-miles, 1,000 .

BENGAL AND NOETH-WESTERN BAILWAY,

Approximate Roturn of Traffin for the week ending 6th September 1902 on 1,201 miles open.

	Coacates	TRAPPIG.	MERCHANDING.		Litter servings .	Total	TRAPPIC TRALLY MILES ADD.				
	No. of passengers.	Resulpts.	Weight dazned.	Receipts	including atom-bont.	delinie.	Conclaing.	Mecchan-	Total.		
d tratte for the week on		Ba.	Hou.	Ba.	Be.	Ba.			-		
per rate of calway	174,470 Lagrau	(a) 03,780 50°07	4,88,M0 807'00	(8)54,748 63165	31,466 0°04	(e)1,29,280 102'64	40,478	(e) M, 130	73.64		
A SA IND HE BELL	1,040,189	5,41,650	47,96,800	5,54,340	1,64,176	13,17,429	367,486	978,443	500,4110		
Dated for of weeks	1,614,680	7,05,870	68,63,680	# ₂ \$6 ₆ 3:00	1,44,570	16,46,740	897,963	306,401	201,480		
Companies.											
by corresponding week of	100,711	56,986	9,66,790	40,414	10,866	1,07,417	36,036	(d)\$8,491	61,311		
the same of the case	193467	4679	165/11	- 33'24	876	0.5'05	ш	que s	u.		
man your my dary of	1,779,100	0,311,600	86,65,913	6,07,000	3,60,840	14,45,044	1100,000	853,044	1984,325		

is lacrose due to improved raffic.

(b) On of the increase of Ha. 14 Ma. Ha. S.066 are due to raligny under in and hallant trains, the remainder secured in public traffic, (c) Includes 0, was splice of ballant trains run on open line.

(d)

(5)

(7)

ASSAM-BENGAL BAILWAY.

Approximate Return of Traftic for the week ended 6th September 1903 on 558 miles open for all descriptions of traftic, and a additional 31 miles for goods and parcels traffic only.

	COACHIR	e Thatric.	Muscelabilite . Trans		Other sarmings	foral	TEAP210	C TRACK-MILES NO
i	No. of peakingets.	Couching provipts.	Weight carried.	Bućnipta,	Other security	ross warmings.;	6,892 8,99 1070 14	Merchan.
		Ba. A. Y.	Mile. 4.	Ba. 4, 8,	No. a. y.	Bar an Pr.		i
tal traffic for the work per mile of rathway	40.00	70'4F 0 0	1,44,018 0 08:0-22	19179 0 0 2678	1,80s 0 u 8458	84,352 A 6 50'91		8,988 to
February P weeks of half-	343,534	1,48,956 6 6	14.06,406 0	0 0 160,16,r	12,227 0 0	15,8°,882 0 0	65,411	do,nto 19
Total for 10 weeks	170,617	1,60,765 0 U	15,65,685 10	1,47,468 0 0	14,062 0 0	3.22,174 o o	61,808	78,847 14
Companies.								
otal for corresponding week of previous just	16,088	18,11.2 0 0		17,391 0 0	1	1		6,60th 11
ing week of previous year a	B7:50	41.42	\$061	36.84	0-97	25.19	11'83	10.85
pertiring your	2,09,654	1,40,600 0 0	10,98,393 0	1,65,076 0 0	15,004 0 0	8,29,876 0 0	69,384	80,698 1 13

PINANCIAL YEAR.

Approximate Statement of Gross Receipts of the Assam-Bengal Ruilway.

Ruoner: Oru	to you want I	mpiko		te for were Seriemben 1		直 2	uncatera eno est, por to ot, primare loca,	TE	As	L BROKETTS FROM	11	Total	Foal distracts
Menin galenge werked.	Receipts.	Per mile worked.	Mores mileagr worked.	Norsipta,	Pyr ausle worked.	Mean milesyo worked	Total recalpts.	spring	Milwight Milwight	Total renospis.	Per pillo worked.	100%.	Firest.
rie	Re. 34,301	E.a.	678	Bu. 51,055	8a. 52'74	Name	Ra. 7,77,146	171	576	Sta. 9,6u,176	нь	He.	71,00

SEGOWLIE-RAKSAUL BRANCH RAILWAY.

(Worked by The B. & N.-W. RAILWAY.)

Approximate Roturn of Traffic for the week ending 13th September 1902 on 28 miles open.

	COTCELLED	TRAFFIO.	Marcharter Trap	PIC.	Other euroises	Total.	Thappeo	That if the
**	Panengers sarried.	Receiple.	weight carried.	Beompta	(outlineind).	ournings.	Ocuebing.	Marrhan- diss.
total traffic for the week on 15	No.	Ba.	Mas.	Ba.	The.	24.		
in the open	1,746 98/59	208 11-24	9,040 35e-44	89°64	077	180 60-39	404	360
Lang. on an in the spin	13,806	1,794	77,956	2,117	67	8,946	0,133	918
Companies.	16,404	1,063	87,954	8,647	70	5,795	B,037	1,019
nimiter corresponding week of previous year on 19 tailor open for ratio of corresponding week	\$,063	401	6,603	\$10	, la	G	645	0.0
of provious Sees on the	140'30	11117	27078	1,8:08	0.64	56-91	49444	Approx.
previous year	\$0,5Te	8,58v	79,333	2,518	314	6,885	4,515	90

EASTERN BENGAL STATE BALLWAY.

(Inducating N. B., K.-D., Dacol and Assam-Bruss Shotions.)

approximate teature of Traffic and Mileage for the week ended 13th September 1903 on Sill miles open.

4	DOAGELIS	O TRAPP.	ic,				AND MINKS		Uther exectings (including		Tota			That Fic Tuate-mixto now.			
	Number of passingers.	Conchi			Wolght catrled.	j	Aroupta,		(MINISTON		Ortigin			Conching,	Rurchan. I	Total	
		Re.	<u>4.</u>	P.	Mps. s.	Ī	No. 6, 2,		Bar, a. r.		film,	_	e. i				
total traffic for the week	9.864	97,990 L13			1,175,630 0 1,563 0		9,60,110 6 p 813 5 8		12,200 U 0	 - 	Ju,neo		- 1	#7,071	47,897	H-8, PACS	
700F H	\$,114,680	9,53,660	Di	0	9,581,160 0	1	L8,05,050 F 6	l	1,47,640 0 0	5-2,	PO ₁ Late	p	ņ	467,809	870,407	747,918	
Total for 11 works Companious.	1,858,150	10,80,#40	ó	۵	16,786,750 0	-	21,38,860 0 0		1,89,844 4 9	33,	18,741	0		404,510	427,814	123,034	
on ler corresponding week of previous year or mile of railbest correspond-	215,027	88,116	п	Ů	1,070,300 (3.97,347 0 0		11,104 0 0	3,	21.4d9	ń	0	37,516	47,101	64,91	
tor week of penymus year	260	27	D	D	1,850 0	ı	906 0 p	ŀ	1 1 0		804	0	Ŀ	[
previous year	2,384,646	9,90,841	0	a	10,000,322 0		18,91,014 0 0	l	2,17,680 b 0	33,	05,066	Ď.	o	444,273	447,400	560,671	

Recording ferry manines,
 Lacronse under goods to due to the heavy July tradic,

BRAHMAPUTRA SULTANFUR RAILWAY.

Approximate Return of Traffic and Mileage for the week anded 13th September 1902 on 59'37 miles open.

	COACTING TRAPPIC.			MERCHARDISE AND MINERAL TRAPPIC.				Oth		To	hal		THAPPIC	Thappic Their-mites ave.				
	Matinber of plants that		Couching rucelpts,		Weigint on tracel		Seculpta.		torray).			antalidi gs .			Couching	Marchans disc.	Total	
	_	Ra.	4,	₽,	Mns.	4.	Eu,	Α.	y. :	Re.		. r.	Ka.	ė.	n.	ī .		
Total traffic for the week Owner mile of pajiway Pur provious 10 weeks of half-	6,440 108	1,840		Ī.	2017 22*544		4,nH5 49		0			n U	5,9210 1000			MDH	1,48	25,040
Tour up the man	63,500	18,910	ū	0	293,150	Û	\$11,780	Ð	11	460	D	0	40,090	Û	ø	16, 888	10,479	20,918
Total for 11 weeks	76,100	90,640	D	D	330,596	b	33,960	U		\$f.)	D	D	55,010	0	Ü	11,35345	11,0(0)	92,988
Total for corresponding week of posterior year. In talk at railway corre- sponding week of previous	6.211	5,493	Þ		10,710	Ō	1,594	ô	0 !	36	0	ø	2,521	Ō	6	985	rī95	1,680
Total to convergentation date of	МИ	34	- 6	Ð	¥80		99	Ш	П				16	ű·	0			-4-
bashings Lear '+	68,687	18,218	Ò	0	277,658	D	18,004		۵	65 0	þ	0	40,489	ð	q	0,480	12,075	35,901

. MYMENSINGH-JAGANNATHGANJ KAILWAY.

Approximate Return of Traffic and Mileago for the weds ended 13th Suplember 1903 on 53'87 miles open.

	Обасніна Тваруго.		MERCHANDINA AND KINNAL TRAPRIC.				Other menion	Total		Thates	Traffic Train-Right Roy			
	Number of pulsetagers.	Qësashi .nevetp		Weight curried,		Receipta		(Brity).		eninings,		Counting,	Merchalle djag.	Total
		Ba.	A. P.	Man.	n.	Re. A	. p.	List A. I	j	R4. A.	r		ĺ	
ried traffic for the week	0,430 150	11,230 43	0 0 0 0	43,640 8.8		1,799 (33 (50 0 1 1 0		6,040 0		1,579	901	3,36
	77,210	198,890	9 0	200,480	D.	8,860 (0	170 0 0		30,000 0	÷	11,725	5,258	20,61
Total for 11 weeks	85,620	\$3,100	0 0	344,120	0	10,610 1		700 p (-	86,98F G	D	12,0.07	9,010	3:,10
ot her corresponding week of her bus year to mile of rational correspond- ing week of crowledge week	6,347	1,5Md	0 0	11,985	D	594 -0	0	54 6 1	,	A, Lét D	0	877	477	1,414
Deb No more and and and	. 110-		0. 6.	- 194	a	11. 0	0	El-s		40 -0	ь			pp
Manjurin Ades His arto Di	80,349	50,203	0 0	171,471	D-	6,677 o	0	500 a e	.	97,776 e	n	11,985	1,438	19,374

DACCA STATE RAILWAY.

Approximate Return of Traffic and Mileage for the week ended 13th September 1902 on 86 miles apen.

	COACECHA TRASSIC.		TRAFFIC.				Othet		Total			Thank	Thatp-nes.	aty key,		
	Number of	Condition		Wajght union	Resetp	ш.		- ORPHID	go.		Gerain	įpi,	ŀ	Coorbing.	Marchael diec.	Tital
		Jis A	. P.	Mps. s	Ma.	۸.	y.	Ba.	à.	P.	Ra	<u>á</u> .	P.			
Total teathe to: the unit	23,270 271	6,400	F B	24,880 P	2,000 28			80 1	1	B B	3,340 309	1		1,790	1,018	4,300
For previous 10 seeks of wall-	265,880	74,840	D m	2,47,830 0	10,480	0	Đ.	9,001		•	-96,910	4	1	97,748	15,177	48,000
Total for 11 meets	982,110	40,170	0 0	9,78,230 0	12,450	0	0	2,030	-	-	L,06,384	ē	4	80,6\$3		47,299
COMPABILOR																
formi for noremponorus week af	\$8,250	9,578	ı b	49,064	4.665	ı	0	liji)	D	6	14,525	ø	"	1,040	909,8	5.10
ing week of previous frai	44d	111	0 0	M0 0	107	4	-	1	0	0	100	¢	1	-11	٠.	
provious year on the contract of the contract	178,341	TP,6\$T	0 0	5,84,463 6	34,479	0	0	6,388	q	4	1,10,376	β	υ	\$1,430	\$3,096	10,476

COOCH BEHAR STATE RAILWAY.

Approximate Roturn of Traffic and Mileage for the week ended 13th September 1902 on 35.60 miles open.

					_					_					
	Opachin	MERCHANDISE AND MUNICIPAL TRAFFIC.					Otherenanien			ы	Тактие таки-мікаї эте.				
	Angher of pateon pers.	Openh		Weeght ruryled.		Roorij	lat.	(include ferty			earali	APIL.	Conching.	Morstan-	Total
		La.	A. P.	Wps st.		Ba.	L E	Mat.	4.	p. [Ba.	L P.			
Coast trails for the work or	- 5,260 67	75u 19	0 0	8,730 a			0 0	1	D Å		1,710 51	D 0	196	1,240+	1.00
For previous 10 weeks of ball-	20,420	8,480	0 0	28,000 0		9,786	0 0	90.1	٥	0	18,480	0.0	1,711	19,993	29,40
Total for 11 weeks	82,500	11,210	A 0	#3,0±9 e		10 750	0 9	536	+	ţ.	30,170	0 0	3,048	21,146	14,16
Comparison.										ŀ					
Total for perruspending week of	1,963	894	0 0	T. finsh o)	1,186	0 1	th	0	1	1,990	0 0	289	830	P
week of pravious you	2.3	18	0 0	366 0	-	16	Ð Ó	h1	-		35	0 0	111-15	485181	-1-
Fotal to corresponding date of	21,491	1,873	0 0	18,639	Ð	9,176	0 0	1,00%	D	*	13,000	0 p	1,688	7,500	P.85

^{*} Corrected as per revised statement submitted by Enginer-in-Chief, * Includes Salpst train-miles 2,008.

BENGAL AND NORTH-WESTERN HAILWAY.

Approximate Return of Traffic for the week ending 13th September 1908 on 1,861 miles open.

	OCTURE	TRAPETO.	Mandradaten a Tulki		Other carcings (estimated),	Total	There o Tracts Minds HT				
	Humber of passenupora,	Resuper,	Weigi \$ curried.	Honsipes.	including stoops book.	enrainge.	Gosolstant,	Marchan- dias.	Pola		
		lian.	Marin.	The Control	Par.	Bal.					
trait trudes by the west up	164,750 £30'65	61,450	4,65,810 \$63°60	66,360 69.94	11,111	(a) 1,82,460 0; 86	41,230	(6) BL/415	78) H-1		
or previous 97 works of ball-	1,816,659	T_00,070	64,85,480	1,49,100	1,63,870	14,45,740	297,931	808,401	\$01.		
Total for 10† weeks	1,070,460	7,67,800	DT,RL,600	6,32,400	1,63,660	76,70,140	487,174	Egy'ela	775		
Сомуделист.	L						-				
of previous ; set on 1,801 with of previous ; set on 1,801 with	101,610	\$4,027	8,13,000	69,112	10,870	1,46,590	64,66%) (d) 2 4,123	44		
of president year.	1,37117	4017	\$69'18	34149	PSS	REMIL	611		sud-		
praylons John	1,946,810	7,38,614	60,74,363	CHARL	1,10,171	10,53,583	874.914	807,748	gal		

⁽a) Expresse due to improved traffic. Under goods the impresse is mainly sine to fig. 7,100 on monoton of reflexey monotonical and bullest brains.

(b) Implement 7.156 makes of Vallace resize can open time.

DARJEELING-HIMALAYAN BAILWAY COMPANY, LIMITED.

			Ros.	4.	F.	Ra.	6.	P.
Approximate carnings for the week'ending 18th Sept. 1902	{ Other	earning:	6,017 10,779	0 0	0}	14,558	ú	9
Audited earnings for the corresponding period of 1901			7,800 6,714	0	0)	14,662	0	0
			Increase			203	0	0
Beceipts per mile for the work ending 18th Sept. 1903 Ditto for the corresponding period of 1901	178		hin.		**1	391	4	-
Service of the servic	*+4	414	T		149	285	8	_
			Intronce		114	6	.11	11
Ditto for the corresponding period of 1901	P==	***	***		H 1	1,45,917	0	_
Print ind and April 10 to the Park	P1 h	_				1,62,538	0	
			Degreeas		H 1	6,616	0	0



SUPPLEMENT TO

The Calcutta Gazette.

WEDNESDAY, SEPTEMBER 17, 1902.

OFFICIAL PAPERS.

[Non-Subscribers to the Gautten may receive the Superanter separately on payment of five supera per annum if delicered in Calcutta, or sense supera and eight annus if sent by peet.]

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Encrypt Bungal Circle, for the year ending with April 1904, and the Report on the Ambinistration of the Report on the Ambinistration of the Rail Department during the year 1901-1908. Feather and Orap Report for him week anding the 1908 Report for the Province of Sangal for the munich of August 1908.	1291 1301 1200	Tamp of Bainbill recorded at stations in Bengal in August 1965 August 1965 The Saturdon of Districts and Towns in Bengal for the munch of July 1965 Areas leased for Irrapation up to end of July 1965 Areas leased for Irrapation up to end of July 1965 Observations and Eastern Canal for the week anging taken day the 18th September 1965 Besults of the Mateorological Observations taken at the Allpois Observatory from 1th to 18th Beptember 1965 Weekly Resorred Traffic Santippe to Indian Eastways	1346

RESOLUTION ON THE ANNUAL REPORT OF THE ARCHAROLOGICAL SURVEY, BENGAL CIRCLE, FOR THE YEAR ENDING WITH APRIL 1902, AND THE REPORT.

GENERAL DEPARTMENT-MISGELLANEOUS.

Calcutta, the 9th September 1902.

RESOLUTION-No. 2915.

READ-

The Annual Report of the Archeological Survey, Bengal Circle, for the year ending with April 1902.

The Second Annual Report of the Archæological Survey Department, Bengal Circle, has been submitted by Dr. Bloch, the Archæological Surveyor, who has been in charge of the Department since its constitution in April 1900. During the first year of his appointment the Archæological Surveyor visited the Puri, Cuttack, Murshidabad, Sonthal Parganas, Malda, and Dinajpur districts, spending about 60 days on tour. During the year under report he spent 145 days on tour in the districts of Champaran, Muzaffarpur, Gaya, Patna, Shahabad, Birbhum, Hooghly, Puri, Khulna, Dacca, and Mymensingh. The object of these tours of general inspection has been to ascertain what localities from their antiquarian interests are deserving of detailed and systematic exploration, and what antiquities should be preserved. Dr. Bloch has recently submitted programmes for future work; and the Lieutenant-Governor has decided that the

Buddhistic antiquities in the Bihar districts and especially the exploration of the site of the ancient Vaissli in Muzsffarpur district deserve first attention.

2. Dr. Bloch gave special attention during the year to the antiquities in the districts of Champaran, Patna, Gaya, and Shahabad. The most important remains in the district of Champaran are the three Asoka pillars, viz., the Rampurwa pillar and the two Lauriya pillars at the villages of Nandangarh and Araraj. In accordance with Dr. Bloch's recommendation, an estimate of the cost of replacing in position the Rampurwa pillar has been called for from the Superintending Engineer. The Lieutenant-Governor hears with regret of the vandal scribbling of names on the two Lauriya pillars, and desires that the district authorities will protect monuments from such acts so far as is possible.

The suggestion that the ancient rock-cut caves on the Barabar and Nagarjuni Hills should be protected from intrusion of jogis and sadhus must be considered by the Magistrate of Gaya, as also the proposal for the removal to the Indian Museum of the Buddhistic statues that are lying uncared for in the village of

Bishenpur, in the district of Gays.

The hill fort of Shergarh, an important relic of Sher Shah, in the district of Shahabad, is reported to be uncared for and overgrown with jungle. The local Public Works officer will be requested to make arrangements for the better protection of this interesting building. The Temple of Mundesvari and the tomb of Bakhtiyar Khan in this district are also worth preserving. A separate report on these monuments has been-received from Dr. Bloch, and estimates for repairs have been called for from the Executive Engineer, Arrah Division.

Repairs of the Bhubaneswar and Kanarak Temples in the district of Puri are going on, and Dr. Bloch's recommendation regarding the cleaning of the carvings in some of the temples may be commended by the District Magistrate

to the authorities in charge of these temples.

The Archeeological Surveyor has submitted a separate report on the remains at Triboni and Pendua, in the district of Hooghly, and has suggested

certain petty repairs, which will be taken up when funds are available.

3. The total expenditure incurred last year on the repairs of ancient monuments amounted to Rs. 29,679, out of which a sum of Rs. 15,646 was expended on the repairs of the ruins at Ga and Pandua, in the district of Malda, and Rs. 12,778 was spent on the repairs of the temples in the district of Puri; the gateway of the Juma Masjid near Rajmahal was also repaired, and wire netting was placed over the openings in Hasan Khan Sur's tomb and Sher Shah's tomb at Sassaram.

4. The "List of Ancient Monuments in Bengal" was prepared and published by the Public Works Department in 1895. To bring the work up to date and to correct inaccuracies and supply omissions, it has been decided to publish a revised edition. At the suggestion of the Director-General of Archeology, the work of revision has been entrusted to the Archeological

5. The Lieutenant-Governor thanks Dr. Bloch for his very interesting report.

By order of the Lieutenant-Governor of Bengal,

W. C. MACPHERSON. Offg. Secretary to the Goot, of Bengal. (No limit has been fixed as to the number of pages).

ANNUAL REPORT

OF THE

ARCHÆOLOGICAL SURVEY, BENGAL CIRCLE.

For the year ending with April 1902.

PART L-GENERAL REMARKS.

1. Constitution of the Department.—The non-gazetted staff of the Department remained as it stood at the time of my last report, up to the 13th March 1902, when the Pandit of the Survey, Babu P. C. Mukherji, joined the office of the Director-General of Archwology in the capacity of a draftsman. The vacancy thus created has not yet been filled up, and a proposal for doing so will be soon submitted. It appears to me most essential to engage the services of a good photographer, as noither I nor my draftsman are able to take photo-

graphs, and I shall propose accordingly.

2. Tours of the Archaelogical Surveyor .- I have been on tour from the 6th November 1901 to the 7th April 1902, that is, altogether 145 days, not counting two short interruptions in February and March, when I returned to Calcutta. My original programme included a visit to the Patna Division, Assam, and Dacca. I had, however, to postpone my visit to Assam until next year, as on my return from Bihar the season was already too far advanced to complete this journey. Instead of this I added some shorter tours to my programme, which I could still conveniently undertake. Having received information about the excavation having begun around the Black Pagoda at Kanarak in district Puri. I went down there on the 20th February 1902, in order to see how the work was done, and if necessary, to offer any suggestions to the Engineer in charge. I also took this opportunity to inspect the work, which is now in progress at Bhubaneswar and Khandegiri in the same district. At all these places, I was accompanied by Rai Prasanna Kumar Pal Bahadur, the Honorary Assistant Engineer in charge of the work. The results of my observations will be detailed in Part II of this Report. On my way to Dacca, I visited Khulna, in order to see the important remains at Bagerhat, viz., the tomb of Khanja Ali, as he is locally called, and the big mosque with 77 domes, called Sat Gumbaz, close to his tomb. Finally, I was ordered to inspect the remains at Atia in the Tangail subdivision of the district of Mymensingh, about which some information had been submitted to Government through the Collector of Mymensingh. I visited this place after the completion of my tour in Dacca district, and I have submitted a special report on the remains there in my letter No. 37, dated the 29th April 1902. I was also ordered to inspect the Siva temples at Bakresvar in the Birbhum district, and the tomb of Zafar Khan Chazi at Triveni and the mosque and minar at Pandua, both in the Hooghly district. I did this on my way back from the Patna Division, and I have submitted special reports on these remains in my letters Nos. 13 and 16, dated the 18th and 19th February 1902, respectively.

My journeys during the last touring season thus include the following districts: Champaran, Muzaffarpur, Patna, Shahabad, Gaya, Birbhum, Hooghly, Puri, Khulua, Dacca, and Mymensingh. Their results will be detailed in Part II of this Report. The principal object of these preliminary inspection tours was to inspect as many ancient remains as possible, in order to ascertain what is really worth preserving, and also which places or areas should

be surveyed in more detailed and systematic way.

With regard to the latter point, I have submitted certain proposals in my letter No. 38, dated the 29th April 1902. I consider it essential that good photographs, plans, and drawings should be prepared of some of the more important groups of monuments in this province. Very little has been done in this direction, and scarcely anything has been published. It seems, however,

advisable to me to undertake such works always with a view to publication; otherwise, money and labour spent on them will be almost lost to those who take an interest in archæology. Conservation, it is true, is the primary object of the present survey; but as owing to the liberality of the Local Government during the last years, the most important monuments in Bengal are now in a fair state of repairs, time appears to have come to make some of them better known to the general public interested in them by means of faccinile reproductions of good photographs and drawings accompanied by the necessary explanatory text, as has been done with regard to other important ancient remains in India.

3. Tours of Bahu P. C. Mukherji.-Up to the Puja holidays, the Bahn travelled in the districts of Champaran, Darbhanga, Gaya, Shahabad, and Patns, where he inspected and reported on a number of ancient nonuments, and from where he brought down impressions of a good many inscriptions. He then visited several places in the Bhagalpur district, the Burdwan Division, and the district of Balasore, until, on the 18th March 1902, he joined his new appointment as draftsman to the Director-General of Archeology. The results of his journeys have been submitted to me in several preliminary reports at the end of each month as well as in a general report, and they will be found detailed in Part III of this Report. As regards inscriptions, the discovery of one important new document is due to him. He found it inside the Gadadhar temple at Gaya, but, unfortunately, the greater portion of it is now covered by a statue of Vishna in the sanctum of the temple, and his attempts to get permission from the owner of the temple to remove the statue in order to take an impression of the inscription have not met with success. He thus was able to copy only the beginning. As the inscription opens with an invocation to the Sun God, it is probable that it records the erection of a temple of that deity; it is certainly not in situ at present. The next two verses are found also in another, hitherto, unpublished Gaya inscription, which also escaped the notice of the Babu. It is now inside a small shrine in the compound of the Vishnupad tample. It refers to the time of Nayapala, tenth century A.D., and mentions the names of three persons, father, son, and grandson, vis., Paritosha, Sudraka, and Visvarupa, who are known to us already from an inscription in the Krishna Dvarika temple at Gaya. The inscription, discovered by Babu P. C. Mukherji, only contains the first name, Paritosha, but it is almost certain that in the portion now covered by the Vishnu statue the two other names follow, and that it belongs to the same period.

4. Preservation of ancient Monuments.—Apart from repairs which are going on since previous years, such as the repairs to the temples at Bhubaneswar in the district of Puri, and to the Muhammadan remains at Gaur and Panduah in the district of Malda, or from other repairs which have been sanctioned at the motion of the local Engineers in charge of these buildings, and of which intimation has reached me from time to time, such as the closing by wire-netting of the doors and windows of the tombs of Sher Shah and his father at Sastaram in the district of Shahabad, and certain repairs to the palace at Rubtasgarh in the same district,—apart from those, I have submitted proposals with regard to the preservation of the following ancient monuments:—

(a) Certain minor repairs to the great Sive temple at Bakresvar in the district of Birbhum. I have, later on, received a communication intimating that the local Schuits of the place will provide for the cost of these repairs.

(b) Repairs to the miner and mosque at Panduah, and to the temb of Zafar Khan Ghazi and the mosque at Triveni, both in the district of Hooghly. My proposal principally concerns the miner at Panduah, which, though not of any great artistic value, seems to me well worthy of preservation on account its being quite unique in this province. It is evidently an imitation of the Qutab Miner & Delhi. Its fifth storey and top piece have broken down, and I have proposed to re build these portions, which may be easily done with the help of a lithograph published in 1871 by the late Mr. Blochmann, on which the entire structure is still seen. With regard to the other buildings, I have thought it sufficient if only such preventive measures are taken as may preserve those portions of them which are still standing from complete destruction.

c) Repairs to the broken Asoka column near Pipariya, in the district of Champaran, commonly called the Ramparwa Asoka pillar. It will be

necessary to remove the larger portion of the pillar, now lying in the open field for a distance of some 800 or 1,000 feet to the south, to its original site, where its broken base is still standing, and to put it up there in its original position. I again beg to emphasize the necessity of these repairs owing to the high antiquity and great importance of this monument, and I shall deem it a special favour if the Local Government may see its way to provide the necessary funds for these probably comparatively expensive repairs.

The following proposals have not yet been submitted to Government, but

will be so before I go on privilege leave in the beginning of July :-

(d) Repairs to the tomb of Bakhtiyar Khan, near Chainpur, in the Bhabnah subdivision of the district of Shahabad. It is almost a copy of the tomb of Hasan Khan Sur, the father of Sher Shah, at Sassaram, evidently of the same time. But it is a very fine specimen of its kind, and now in such a condition as to make repairs urgently required, if the monament is not to be allowed to tumble into pieces. A separate report will be submitted shortly.

(s) Repairs to the tomb of the Bengal Sultan Ghiyasuddin Azam Shah, near Mograpara, the site of Sonargaon, the sucient capital of Eastern Bengal, in the Naraingani subdivision of the district of Dacca. It is a plain basalt sarcophagus, resting on a basalt platform. No inscription is found on it, and only tradition points to it as the burial place of this king, who is best known on account of his literary correspondence with the famous Persian poet Hafiz. What will be required to do to it, is merely to raise the platform and the sarcophagus, which have now sunk, and the stones of which have become dislocated. This probably can be done without any great outlay of money. I shall also propose to add a suitable inscribed tablet to it, saying that this tomb is traditionally pointed out as the resting-place of Ghiyasuddin Azam Shah. Similar tablets are now erected at various places of historical

interest all over India. A special report will be submitted later on.

5. Photographs, drawings, and inscriptions. - As I have already remarked in paragraph I of this report, no photographer has been employed by me, and consequently I have not been able to take any photographs of the monuments inspected by me. I intend, however, making provision for this before I start on my next journey. As to drawings, my stay at the places visited by me generally was limited to a short time only. In order to procure good drawings it is necessary to provide for a prolonged stay of several days at each place, in cases even for several weeks. It will even sometimes become necessary to make special preparations, such as scaffolding, wherever the building to be skatched is very high, in order to take the necessary measurements. I do not think that drawings based on mere rough sketches, such as I might have procured during my last journey, are of any value, and it is for this reason that I have not brought back any drawings to speak of. Of inscriptions I have copied and read a great number, partly on the spot from the original stone, partly from impressions on paper. I have already in paragraph 3 of this report referred to the discovery of two new inscriptions at Gaya of the 10th century A. D. I also took an impression of the unpublished Sanscrit inscription at the Akhshaya-vata at Gaya, which is of the same time, and of another small but valuable inscription in Sanakrit at the Prapita-Mahosvara temple close to it. Its date corresponds to Thursday, the lat May 1242 A.D. As I shall show later on in Part II, these inscriptions are of special interest for the local history of the sacred tirthas of Gaya, helping us to put back their date to a period far anterior to the time when the present temples were erected, which, as I need scarcely remark, are all of comparatively recent age. Some of the many votive inscriptions on Buddhistic images in the districts of Gays and Patns are also of some interest on account of the names which they preserve. In Dacca, I found on a loose slab an apparently new inscription in Persian poetry mentioning a king Ruknuddin, who is evidently the Bengel Sultan Ruknuddin Berbak Shah (1459-1474A, D. 1 t is the first instance of an inscription of a Bengal Sultan composed entirely in Persian poetry. I think that for the first time I have succeeded in deciphering the inscription of the time of Sher Shah on the dargah of Sheh Juman Madari at Rilsa, near Bihar, and of the short inscription over the prayer niche of the tomb of Sher Snah's father at Sassaram. I regret

that I was unable to procure an accurate copy of the inscription over the central arch of the Alamgiri Masjid at Rohtasgarh. It is written in very small characters, and put up in a position very high up, so as to make it impossible to read it while standing down below. But from what I could make out, it is evidently a record of Sher Shah's time, thus helping us to fix the accurate date of this Mosque, which local tradition ascribes to the time of Alamgir. Another, evidently unpublished, inscription of the time of Shah Jahan was found over the door to a tomb at the foot of Rohtasgarh hill. It is of some interest, as it mentions the several parganas forming the jagirs of the then Qiladar and Darugah of the fort. A great many new inscriptions of the Moghul time also have been copied; their principal value consists in enabling us to determine the accurate date of the buildings to which they are attached. I shall refer to these inscriptions in connection with my notes on the places where they are found in Part II of this report, and I do not, for this reason, consider it necessary to add to this report a list of all the inscriptions of which copies have been taken.

6. Sculptures and statues .- In two of the districts visited by me, vis., Gaya and Patna, a great many ancient statues are found scattered all over the country. Generally, they are now put up in modern temples and worshipped as something quite different, of course, than what they originally were meant to represent. But many of them are still lying loose, and there is scarcely a single village where not at least some fragments of ancient statuary are col-lected under the village pipal tree. Those statues generally belong to the time of the Pala kings, who ruled over Bihar and portions of Western Bengal from 800 to 1200 A.D. They are both Buddhistic and Brahmanical, and they afford a very graphic illustration of the connection between these two rival sects, which seems to have developed more and more towards a gradual intermixture of both, the result being that Buddhism became more and more Hinduized. As an instance of this, I may quote the statue of Karttikayini, the female energy of the war god, inscribed with the Buddhist creed. I

found this curious image at Dharawat, in the district of Gaya.

The Buddhistic images are of special interest. With the exception of the Greeco-Buddhistic sculptures from Gandhara, found all along the North-Western frontier of India, they are the only class of Indian Buddhistic art, which has come down to us with a fair amount of completeness. The Indian Museum in Calcutts is the only institution which possesses a good collection of this particular branch of Buddhistic art, and it is a matter of great regret that many rare specimens, which would greatly add to the value of this collection, are at present put up in local shrines, and thus have become objects of religious worship, so as to make it impossible to remove them to this institution, where not only they would be better cared for than at their present places, but also serve a more useful purpose in the interest of archeology. than they now do. I have, however, noticed a few valuable specimens, now lying uncared for, which it will be possible to procure for the Indian Museum, and I shall later on submit a special report with regard to this point.

7. Concluding remarks.—The staff of this Department has worked to my entire satisfaction. Babu P. C. Mukerji has shown great zeal in completing the tours which he was ordered to undertake, for a great part of the year under trying circumstances. My draftsman, Babu Haridas Dutta, has been of great use to me in copying inscriptions, for which he is particularly skilled. For reasons above stated, I am not able to submit any specimens of his drawings; but drawings of his, previously submitted, have met with great approval. My clerk, Babu Krishna Chandra Mozumdar, was left in sole charge of my office during my absence on tour, and he has given me much

satisfaction by the great care with which he discharged his duties.

PART IL -NOTES ON ANGIENT MONUMENTS VISITED BY THE ARCHIROLOGICAL BURYEYOR.

A .- DISTRICT CHAMPARAN. 8. General remarks.—The following is a list of ancient remains in the district of Champaran, inspected by me :-

The three Asoka pillars, viz., the two Lauriya pillars, one near Thana Gobindgenj and the other fifteen miles north of Bettish, and the broken

pillar near village Pipariya, Thana Shikarpur, in the Bettiah subdivision. The last is commonly known as the Rampurwa pillar, while the others are called, respectively, the Lauriya-Araraj and Lauriya-Navandgarh, or Radhia and Mathia pillars. The last two names are misnomers, they having been chosen, as it appears, by Mr. Hodgson's Pandit in order to avoid the obscenesounding name Lauriya

The ancient Buddhist stups, two miles south-west of Thans Kessriya; Another mound, evidently the ruins of a Buddhist staps, called Sagardih,

on the road from Pipra to Kesariya;

The earthen barrows, probably sepulchral mounds, close to the second Lauriya pillar, fifteen miles north of Bettish;

The Nandangarh, wrongly called Navandgarh, close to the same place; The Chankigarh, three miles west of Thana Shikarpur;

Ancient fort and modern temples at Simraon, in Nepalese territory, five miles from Purnahia factory;

The Nonachaur ka-garh, five miles east of Motihari;

Fort and temples at Sitakund and Bediban, close to Pipra railway station.

I shall deal with them in the order of this list.

9. The Asoka pillars.—These pillars, together with another one near Bakhra, in the district of Muzaffarpur, which will be mentioned later on, mark the stages of the journey to Nepal, which Asoka undertook in the 21st year of his reign in order to visit some of the holy sites of Buddhism. In the 27th year of his reign he ordered six religious edicts to be engraved on them. These edicts are not on the Bakhra pillar, but from its general style, as also for other reasons, there can be no doubt as to its origin. Of the three Champeran pillars, that at Lauriya-Nandengarh, fifteen miles north of Bettiah, is best preserved. With the exception of some injuries to the jaw of the lion on its capital, evidently the effect of a cannon shot, the mark of which may still be seen on the northern face of the pillar, it is still almost perfect. I think General Cunningham is right in attributing this damage to some zealous followers of the army of Mir Jumle, which was then on its way back from Bengal after the defeat of Sultan Shuja, the brother of Aurangzeb. The date Hijra Era 1071=A. D. 1660-61, which is found inscribed on the pillar in connection with the Muhammadan creed and the name of Aurangseb, points to this. I believe that the destruction of the northernmost pillar near Pipariya, some twenty miles distant from the Lauriya-Nandangarh pillar, is due to the same agency. The Lauriya-Areraj pillar, near Thana Gobindgunj, has lost its capital, but is otherwise in a fair state of preservation. Both Lauriya pillars seem to suffer considerably on their northern faces from the effect of the weather; they look quite black there, and their polish, although beautifully preserved otherwise, has gone in these portions. A few small cracks also begin to spoil the writing, which, however, is still in a very fair state. I am afraid no preventive measures against this are available. Perhaps the pillars might be cleaned from time to time, provided this is done with great care. Although they are now surrounded by iron railings, vandal scribbling of names on them is still going on. The latest addition to this illustrations list is the name of S. P. Sinha, a Sub-Inspector of Police from the Lauriya out-post, who recorded his name on the Lauriya-Nandangarh pillar as lately as the 31st May 1898. Luckily the ancient edicts are so high up that they cannot be reached without the help of a ladder. These modern names are all on the lower, uninscribed surface of the pillars.

The northernmost, so called Rampurwa pillar, near village Pipariya, is still deplorably neglected. I have accordingly, in my letter No. 40, dated the 1st May 1902, submitted a special report on this pillar, proposing that it might be put up again in its original position. Its broken base still stands in situ, midway between two low earthen mounds covered with brick fragments, evidently the remains of some Buddhistic monuments. The greater portion of its shaft now lies within a swamp, almost entirely under water, some 800 or 1,000 feet to the north of its base. Evidently an attempt was made to remove it, which, however, soon was given up on account of its difficulty and costliness. Close to it stands the capital, which was disconnected from the shaft by Mr. Garrick in 1881 in order to take a photograph of it. It still stands in the same position as put up by Mr. Garrick, but the lien was

the lion are still on the top of the capital. The three Asoka pillars are by far the most important remains in the district, and range among the most valuable aucient monuments of India. It is for this reason that I venture to hope that my suggestions with regard to the conservation of the Rampurwa pillar will meet with favourable consideration

by Government.

10. The Kesnriys and Segardik Stupes. - The first stupe stands two miles to the south-west of Thana Kesariya. It consists of a round brick towar raised upon a brick platform. I think General Conningham is right in identifying it with one of the monuments described by the Chinese pilgrim Huen Thung. It was at that time, in the 7th century A. D., believed to have been erected over a place where Buddha, in one of his former births, had appeared as a Chakravartti or universal monarch. From its general appearance it may well be ascribed to the first centuries of the Christian Era. The absence of any surface ornamentation around the tower is remarkable. Apparently these have disappeared in the course of time. A hole has been dug into the tower, probably by some treasure seeker. There is, however, little probability that it contains any relic deposit, as for the reason stated above, the monument seems to belong to the class of memorial stupus, of which many existed in India at various places, connected with some remarkable avent in the life of Buddba or other saints. The platform of the stupa is now covered with thick jungle, and difficult of access. Without clearing away the jungle and making some excavations all around it, it is impossible to form an idea of its exact structure. I think, however, that this would be worth undertaking, although the site does not seem promising with regard to statues and sculptures. I robably the staps had only some plain ornaments around its surface. I did not find the statue of Buddha inside a low brick mound close to the stupe which General Cunningham mentions; the mound, which has been excavated several times, may still be seen.

The mound called Sagardih by General Cunningham is locally known aimply as 'bhisa' or mound. The village Sagar is close to it. It stands at a distance of some three or four miles from Pipra, on the road to Kesariya. Although it is now too thickly overgrown with jungle vegetation to allow of forming an accurate idea as to its original shape, I do not hesitate to accept General Canningham's opinion that it was a Buddhistic stupa. At the foot of the mound is the tomb of a Muhammadan saint called Mallang. It is a very insignificant, modern looking brick building, with vaulted roof. At a little distance there is a large tank with a debi-ka-asthan on its borders, such as hundreds may be seen all over the country. Altogether, this place does not

look like a promising site for any detailed investigation.

11. Earthon barrows probably sepulchral mounds at Lauriya, 15 miles north of Bettich.—I believe these mounds would very well repay a systematic explora-tion. It would thus be possible to form an opinion as to their original destination. Hitherto, the only clue seems to be a short reference in the Bengal Administration Report from 1865-69, saying that a short time ago, a leaden and perhaps a second iron coffin with human bones was found in some of them. The various exercations by General Cunningham and his assistants have not yielded any results to speak of. When I was at Lauriya, Mr. Moore, the present Manager of the Lauriya farm, showed me some copper vessels, which, together with two ancient copper coins, had been dug up from one of the mounds. The copper vessels were of exactly the same shape as those at present in use, and, although covered with verdigris, may be of quite recent date. Of the coins, one belonged to Mahmud Shah of Janupur and had the date 847 A.H.= 1443 A.D. The other was very much worn off and could not be identified. From its size, it looked like a Graco-Indian or Indo-Seythic coin from the North-West, rather a remarkable find considering the locality; but nothing definite could be made out with regard to it.

I counted altogether fifteen mounds, some very small, some higher. They are arranged in three rows, one running from west to east up to the place where the Asoka pillar stands, and two parallel rows, running from north to south, at the western end of the first row. This arrangement suggests that they were erected according to some definite plan or scheme. Some of the eastern

mounds show fragments of brick on their surfaces; others seem to consist morely of earth, which in course of time has hardoned and developed into a stiff clay, which is now to a large degree used by the natives of the place, who

mix it with water in order to paint the walls of their houses.

12. The Nandangarh and Chankigarh.-Those two remarkable ruins, which are situated in sight of each other, one close to Lauriya, 15 miles north of Bottiah, and the other some 10 or 11 miles north of it, are locally believed to be forts built by some ancient and fabulous Rajas. The former is generally called Navandgarh, but the actual local pronunciation is Nandangarh. From time to time attempts have been made to identify them with some of the large Buddhist stupes, mentioned by the Chinese pilgrims, which, from the distances and directions recorded by them, may be looked for in these or adjacent tracts of the country. Even recently Mr. V. A. Smith has upon similar calculations pronounced the Nandengarh to be the stups erected by Asoka over the ashes of Buddha, but he freely admits the impossibility to affirm this positively, until an adequate survey of the entire groups of ruins is made, and well-devised excavations are effected. From my own preliminary observations I am not inclined to believe that these huge and, as it seems, solid masses of bricks are the remains of any buildings of this kind, and I should rather look upon them as some sort of fortifications. Around the Nandangarh the traces of an old ditch are still visible. On its top, which forms an oblong terrace, traces of some small brick buildings, perhaps watch-towers, remain. The Chankigarh, which is much higher, consists of two parts, one platform with sloping sides upon which rests an oblong building, the sides of which fall down perpendicularly, while only the top seems to be a little rounded. A broad winding pathway leads up to the top from the south. Above, no remains are seen, except some small insignificant shrines. At one place some digging has been done, apparently by Mr. Garrick in 1881, ethough in his report he makes no mention of this. Some sheets of water run around the mound, perhaps the remains of an old ditch. Both mounds seem to consist of solid masses of bricks some 300 to 500 feet in circumference, but I could not observe anything in their structure that resembles a Buddhist stupa. A detailed and systematic exploration of both the Nandangarh and Chankigarh is well worth undertaking, but this will require time and special funds.

13. The remains at Simraon, Nonachaur-ka-garh, Sitakund and Bediban.—The remains at Simraon are already within Nepalese terrifory. It once must have been a large town surrounded by walls, traces of which are still visible; the boundary new runs along the southern wall. Close to the Isra tank is a math with a temple of Kaukali, bearing an inscription, the date of which corresponds to 1747A.D. It seems, however, to refer not to the temple to which it is at present attached, but to another older structure. Another larger math is at some distance from the Isra tank, at a place called Ranivas. It contains a large temple of the Nopalese style, onehrining images of Rama and Sita. All these buildings are of quite recent date and possess very little interest. Some

unimportant specimens of ancient statuary are found inside of them.

The Nonachaur-ka-garh is wrongly called Sarongarh in the List of Ancient Monuments in Bengal. Sarongarh is about two miles distant and does not contain any aucient remains. The Nonachaur-ka-garh is an oblong fort, divided into four smaller sections by two roads running through it, one in each direction. At the place where they meet an ancient tank exists, which is now silting up. All the four sides of each of the four smaller sections seem to have been protected by walls. They are now mostly dangerous of access, owing

to the thick jungle which covers them.

Sitakund and Bediban are two places close to the Pipra Railway Station. The remains at the former place are within an oblong enclosure wall, with a way running through each of its four sides. They consist of a deep circular pond, surrounded by bricks, with four ghats leading down to it, and of several modern looking temples and shrines, together with some Samadhs of Sadhus. The principal temple enshrines eight well-preserved images of an older date, viz., two Ganesas, one scated with four arms, and one dancing with eight arms; one Surya; one Hanuman; one Ravana, with 20 arms and 10 heads, five of which are only shown on the carving; one Vishnu; one Durga; and one Mahishamardini, or Durga, in the set of killing the buffalo-demon. The most

remarkable object of worship inside the Bediban temple, which stands on a high mound, apparently the remains of an older structure, is a slab bearing an inscription in Arabic or Persian. This stone now receives poojah from the Hindus of the place. Unfortunately, it is covered with such a thick layer of cement that it is impossible to read it. General Cunningam thought he could read the name of Malimud Shah, whom he identified with the Jaunpur king of this name (1450 A.D.). This is probable. Guided by the fact that a Muhammadan inscription had become an object of Hindu worship, and by the style of the principal temples at Sitakund and Bediban, which closely resemble Muhammadan tombe, General Cunningham further started a theory that these places had originally belonged to the Muhammadans and had later on been appropriated by Hindus, a remarkable fact, if true, as generally the reverse has been the case. But I believe this theory has very little to speak in its favour. The peculiar style of the two temples may be observed at several places in Bihar, and does not point to a Muhammadan origin,

The remains mentioned in this paragraph are not worth preserving. Other still more insignificant remains at the same places have been left up-

mentioned.

B.—DISTRICT MUZAFFARPUR.

14. The remains at Bakhra-Basar and at Hajipur.—The remains at these two places are the only ancient monuments inspected by me in the Muzaffarpur district. At the former place the principal object of interest is the Asoka pillar already referred to in paragraph (9) of this report. Although it does not contain any inscription of Asoka, yet its style as well as its material distinctly point to its having been set up by order of this king. Moreover, it is possible to identify it with one of the Asoka pillars, mentioned by Hinen. Thrang at the site of the ancient Vaisali, as General Cunningham has shown. No ancient inscription is found on it, but it has been scribbled all over by modern visitors. The pillar is much lower than the other ones, probably on account of the subsequent rising of the surface around it; also the polish is not as fine as on the other pillars, and the lion on its capital is clumsier than that at Lauriya-Nandangarh, and rests not on a circular abacus with the goeso ornament around it, as at Lauriya-Nandangarh and Rampurwa, but on a square base without any ornamentation. Close to it is a low mound, upon which some Buddhist statues of the Pala time are enshrined within in a modern hut. Extensive remains are scattered all over the country for several miles distant. These have been identified by General Cunningham with the ruins of Vaisuli, the capital of the Lichhavi country, a famous place in the history of Buddhs. Dr. Hocy has recently attempted to set uside this identification, but his arguments are very little convincing. To check the various identifications put forward by General Cunningham would require a detailed and systematic survey of the whole area, accompanied by judicious excavations. a work which, for various reasons, seems to be promising of valuable results, The pillar at Bakhra is in good state of preservation.

Hajipur, an important place in later Muhammadan times, contains an old mosque with three domes, built by Makhaus, in the time of Akbar. This we learn from an inscription over its gateway. Unfortunately the exact date of this record could not be made out. The mosque is built of stone and in a fair state of preservation, except that some of the carvings in its outer walls have become defaced, owing to the influence of time. It is not very remarkable, neither on account of its style, nor for any other

C .- DISTRICT GAYA.

15. Preliminary remarks. - The ancient remains inspected by me in this district will be dealt with in the following order :-

The city of Gaya; Budh-Gaya and adjacent places; Kauwa Dol; The Barabar and Nagarjuni Hills; The remains at Dharawat, close to these hills; The remains at Bela and Ner;

The remains at Pai Bigha, Ghenjan, and Kispa;

The Hindu temples at Koneh, Pali, Utern, Deo, and Umga;

The remains at Pachar and Cheon, near Rafiganj;

The remains at Kurkihar, Punawa, Hasra Kol, and Bishenpur;

The remains at Afsand and Parbati Pabar;

The Muhammadan remains at Miranpur Nadera, Jaru, and Hasanpur Kako.

This arrangement endeavours to group together those ancient remains, which either geographically or for other reasons are connected with each other. With the exception of the last item, all other remains are either Buddhistic or Brahminical. There is scarcely any ancient place in this district as well as in the neighbouring district of Patna, where not ruins of both classes are found together. This is not a mere chance, but, as I have already pointed out in paragraph (6) of this report, it represents fairly accurately the state of affairs which prevailed throughout ancient Magadha in the last centuries before the downfall of Buddhism.

16. The City of Gaya.—The many temples which now adorn the sacred tirthes of Gaya, are more or less modern and afford but little archæological interest. They contain, however, a number of ancient inscriptions and statues,

with which I shall principally deal in this paragraph.

As regards inscriptions, I have already, in paragraph (5) of this report, mentioned the discovery of some new or unpublished documents at Gaya. One was found by Babu P. C. Mukherji, inside the Gadadhar temple. It probably refers to the erection of a temple to the Sun-God, and dates from the time of Nayapala, i.e., the 10th century A.D. Unfortunately, it is now covered by a statue of Vishna, and as there seems to be no chance of the owners of the temple agreeing to remove this image, only the beginning of it could be copied. Another very similar record of the same period was found by myself inside a small shrine in the compound of the Vishnupad temple. It tells us that Visvarupa, apparently a high official, well known to us from other Gaya inscriptions, adorned Gaya with a multitude of temples erected to Gadadhara and other deities. The inscription is not in situ, and it is impossible to say to which Gadadhar temple it refers; it is certainly not the present shrine of this name. The inscription near the Akshaya-vata or cternal banyan tree is of the same time and is interesting for the local history of Gaya, as it mentions this tree and thus shows that it existed as a tirtha already in the 10th century A. D. Close to it is the templo of Prapitamahesvara, to which a small Sanskrit inscription is attached. It is interesting both on account of its date and the light which it throws on the local history of Gaya. Its date is the Samvat year 1299, the new-moon tithi of Jyaishtha, a Thursday, while the Suratrana (i s., Sultan) Maujadina was reigning. This Sultan must be identified with Muizuddin Bahram Shah of Dolhi, who was taken prisoner on the 10th May 1242 A.D., and murdered on the 19th May of the same year. Calculating all the possible European equivalents of the Indian date, I find that both the 1st May 1242 A.D. and the 18th June 1243 A.D. would agree, both being a Thursday, coupled with the new-moon tithi of Jyaishtha. But, as the inscription refers also to the reign of Muizuddin Bahram Shah, the first date only, viz., 1st May 1242 A.D., is admissible, and the inscription thus was written only a few days before the end of this king. Its purpose is to record a pilgrimage to Gaya, which some Rajput minister, apparently from the North-West, had undertaken. He says: "I have done Caya. Witness thereof is Prapitamaha." A statement of this kind is now technically called 'Sakshi-Sravana,' or 'invocation of witnesses.' It is incumbent upon every pilgrim either at the end of each of the stations which he has to go through, or at the completion of the whole pilgrimage, on the seventh day, to invoke the gods as witnesses that by completing the prescribed rites he has freed himself from the debt which he owes to his ancestors. In the present ritual, the 'eternal fig-tree' and the temple of Prapitamahesvara are the last station to which the pilgrim goes, and as a record of this kind refers just to the deity of the templo where the pilgrimage now ends, we may conclude that in one important point at least, the ritual to be observed at Gaya some 850 years ago was exactly the same as it now is.

I also copied a small Sati inscription at the Gadadhar temple and an inscription in Telugu characters near one of the ghats leading down to the river Phalgu. The latter I am unable to read myself. Other well-known

inscriptions have been left unnoticed.

The only ancient statue, which I found at Gaya, is the figure of an elephant, represented in the act of calling flowers or fruits from a tree, a favourite subject in ancient Indian art. It is decidedly a carving of at least the beginning of the Christian era. It stands inside a small shrine on the way to the Vishnapad temple, and is locally called Gaya-gaja, or the Gaya-clephant. I find it mentioned already in Narayanabhatta's Gayanushthana-Paddhati, a manual on the ritual to be observed at Gaya, about 300 years old. All the other images are of the style and material used in the Pala time (800-1200A D.), and probably also later on, but some are remarkable for various reasons, and will be noticed here accordingly. An image of Vishnu, seated cross-legged, with four arms, two of which rest on his lap, while the others hold shib and whoel, is mre and not often met with. His female onergy, Vaishnavi, is generally represented as scated on Garuda, but I found ope image of her, where sho is shown standing, with four arms, two of which hold a shell over her breasts, so that the top of the shell just touches her chin, while the other two hold club and wheel. A statue of Hari-Hara, i.c., half Vishuu, half Siva, was remarkable on account of its showing the phaltic emblem of Siva; it must be very old, as subsequent ages considered such representations too indecent, and left out this emblem. I found also an image of Siva and Durga, representing them standing, their hands joined together with the nine planets above, and the bull and lion on the pedestal. This is a rare type, the common representation showing Durga seated on Siva's lap in an amorous posture. A standing figure of her, with bull kneeling to her right, and lion to her left side, probably might better be called an image of Malosvari. On an image of Chamunda, one of the seven mothers, I found an inscription saying that it was the pious gift (deva-dharma, sic !) of Valahaka, the son of Adha; this term is generally met with only in Buddhistic votive inscriptions, where it is exceedingly frequent. A curious piece of carving, not altogether rare, represents five round balls, resting on a square plate. When questioned as to its mounings, the local people explained it as a representation of the breasts of Bhagavati. Rudo figures of the same meaning are certainly found almost in every village of Bihar, but their shape is different, and I do not know whether the local explanation holds good. I need scarcely refer to the multitude of lingas or Mahadevas found at Gaya. Some imitate nature with a certain accuratoness, while others are merely conventional. Some show a great number of small lingas curved around them; they are called 'Sahasralingas;' others have one, four, or even five heads of various gods and goddesses carved upon their round surfaces. 'Phey are called: ek-mukhi, chau-mukhi, and panch-mukhi Mahadeos respectively. A chaturmukha Mahadeva is already mentioned in an ancient inscription from Budh-Gaya, published by General Conningham in his Mahabodhi, where he has misunderstood the term.

The absence of Buddhistic images in Gaya is remarkable. I found only a few inside the shrine on the top of the Pretsila Hill, and also at some other places. The temple on the Pretsila Hill contains en inscription both in Nagari and Bongali characters, the date of which corresponds to Saturday, the 23rd July 1774 A. D. (new style). It says that the steps leading up to the hill were built, for the convenience of pilgrius, at the expense of Madan Mohan Dutt of Calcutta; the gomesta was Ganga Narayan Kar of Orissa, village Gopalpur, pargana Balu, Sirkar Cuttack; the tabvildar was Kali Charan Chaudhuri, of village Simlagadi, pargana Pandua, in Burdwan. It took one

year to complete this work.

A modern dharamsala in front of the Prapitamahesvara temple bears a date corresponding to Sunday, the 4th February 1849 A. D. Inside the temple, on the Brahmayoni Hill, are some footprints dedicated by Maharaja Jayaji Rao Sindhia. The last hill receives its name from a small natural fissure in the rocks on its top, which just enables a person to crawl through it. This is looked upon as a symbol of the youi or womb, and the pilgrim by going through this procedure escapes the fate of being reborn from a human womb.

Other temples and shrines visited by me call for no remarks here.

17. Budh Gaya and environs. - I do not consider it necessary to offer any remarks here on the great temple at Budh-Gaya and its curroundings, as they at present stand. In addition to the known inscriptions on the ancient railing, I found another unnoticed one on one of the pillars, which are now inside the Bakraur Math. It says that the pillar was the gift of Nagadeva, the wife of Raja Bujhamita. On one of the statues inside the great temple, I found an inscription saying that it was presented by Indrabhadra, who came from Samatata, i.e., Lower Bengal. He appears to have been a spiritual descendant of Silabhadra, of the royal family of Samatata, who at the time of Hiuen Theang's visit (635 A. D.) was a venerable man of over eighty years. The monastery, where he resided, has been identified with some site near the modern Dharawat, I have met with other instances showing that monks adopted names formed with the same compound as the names of their gurus and pragurus, teachers and teacher's teachers. Evidently, they chose a new name on entering the order, as modern sanyasis still do. On a railing pillar outside the great temple is an inscription in modern characters saying that a pandit Jinadasa, who came from the hills, visited the Mahahodhi-bhattaraka,' evidently the Bodhi-tree. He has forgotten to record the year; the inscription concludes abruptly with Samvat, without any numerical figures, but the characters are scarcely older than the 15th century A. D. There is, however, nothing remarkable about this record, as the Bodhi-tree still is. and apparently long ago has been, one of the sacred places visited by the Hindu pilgrims going to

Other places near Budh-Gaya, to which Hindus have to make a pilgrimage, are Dharmaran and Maltangi. The latter name is a corruption of Matanga linga. It contains a tank, called Matanga-vapi, which has been dug out later on within the area of an older and larger one, which has now entirely silted up Close to it is a modern temple with a lings, called Matangess. As the ancient staps identified by General Cunningham with the Gandhahasti stups, or the place where Buddha formerly had appeared as a large elephant, is very near to it, and as Matanga in Sanskrit means 'Elephant,' it seems obvious that the names Matanga-vapi and Matangesa contain a rominiscence of this ancient Buddhist site. Another place near Budh-Gays deserves mention for one reason. It is visited by the Burmese as the traditional spot where Buddha was sheltered by the snake-king Muchilinda. Locally it is called Mucharin, which is evidently a corruption of Muchilinda. There is nothing to be seen there except an old tank. General Cunningham tells us that in 1861 he made this identification with the help of Hiuen Thsang, and that he suggested the same to the members of some Burmese embassy, whom he happened to meet there, and who at once accepted his theory. I think there is little doubt that the worship, which this wholly insignificant spot now receives

from the Burmese, is due to General Cunningham's identification.

The cave on the Mora Hill, to the north-east of Budh-Gaya, is traditionally believed to be the Pragbodhi, a place where Buddha resided for some time before he reached Uruvilva, the modern Budh-Gaya The cave is a natural fissure in the rock, about midway to the top of the bill. Its entrance has recently been closed by a mesonry wall, put up by the Jogi who resided in the cave. It admits access only through a small door. No succent remains of any importance are to be seen at this place.

18. Kaswa Dol.—The remains here are the ruins of an ancient Buddhist temple and a number of rock carved images, all along the foot of the hill. The temple enshrines a large statue of Buddha, seate i, in the act of invoking the earth, when he was attacked by Mara and his army. This is one of the largest statues of Buddha which exist, and in fair preservation, except that a portion of the halo has broken. It still is in situ inside a small brickbuilt cell, but the temple is otherwise in utter ruins, only parts of its original brick-walls and some 13 granito pillars being traceable. The pillars probably supported an open hall in front of the temple.

The rock carvings represent almost exclusively Brahmanical deities. I only observed three Buddhist figures among them, viz., one Vajrasattva, one Prajnaparamita, and one scated Buddha. The row in which I found these images continued with other Hindu deities, a further instance of the intermixing of both sects, to which I have already had occasion to point. The great

prevalence of figures of Mahishamardini among these carvings deserves to be noted. All the carvings may belong to the period from 800 to 1200 A.D. The stone does not withstand the influence of the climate, and some carvings

have become very faint.

19. Barabar and Nagarjani Hills.—The ancient rock-out caves on those hills belong to the most interesting remains in this province; they exhibit fine specimens of the high preficiency with which in those remote ages, 3rd century B.C., Indian masons were able to handle such a hard material as the granite stone of those hills. Their polish is of a high order, and still almost perfect. Unfortunately, it has in some places become spoilt by Jogis and Sadhus, who consider it their right to reside inside the caves, and who put up crade stone walls against them. I found four of the caves inhabited by those worthies: one was a Bengali from Howrah, with University education. An immediate stop should be put to such a nuisance, and every modern occupant should be turned out at once.

There are altogether seven caves, four on the Barabar and three on the Nagarjuni hills. The former were dedicated by Asoka and the latter by his grandson, Dasaratha, to members of the Ajivika order, an ancient class of Brahmanical ascetics. Subsequent inscriptions show that in the middle ages also Hindu ascotics dwelt in them; probably they were never approprieted by Buddhist. It is evidently for this reason that they were not visited by the Chinese pilgrims, although their routes took them into the immediate vicinity

of the cayes.

20. Dharawat.—The remains of an ancient stups, described by General Cunningham, are to the south of the Chandokar talao, midway up the hill. Only fresh excavation can throw new light on these structures. Two modern temples in the north-eastern corner of the tank, and a small shrine at some distance to the cast, contain a large collection of ancient statues. I have already, in paragraph 6 of this report, referred to the remarkable image of Karttikayini with the Buddhist creed, which I saw there. A large statue of Avalokitesvara is lying, apparently uncared for, between both temples. It is a very curious piece of carving, and might, probably, without difficulty be removed to the Indian Museum. I observed also a curious figure of Surya inside the southern temple, which represents him with four arms, two of which rest on his knees, one holding a rosary and the other a water-vessel, while the other two are uplifted and hold each one full-blown total. The horses drawing his chariot are represented not, as usual, en face but en profil.

21. Bela and Ner. - The modern temple close to the Bela Inspection Bungalow contains one remarkably well-preserved big statue of Chamunds and a number of smaller ones, notably a carving showing three goddesess standing in one row, which seem to represent Brahmani, Sivani, and Vaishnavi. Close to the modern temple are the ruins of an older one, now mere beaps of bricks

with two lingss standing upon them.

The temple at Ner is of little interest only. Its walls, and a pillared hall in front of it, are still standing. They are just inside the village, obstructed by modern mud-huts, and seem to be used as a cow pen. To the west of the village are the ruins of another temple, which seems to have stood inside a tank.

They are very much gone, and very little remains of this structure.

I noted here some remarkable lingus, with four male figures around them,

two standing and two dancing, both groups on corresponding sides; on each side of the pedestal, which is a square, a male figure is represented lying.

I was unable to make out the meaning of these carved figures.

22. Pai Bigha, Ghenjan, and Kispa.—Pai Bigha is a large village near Makhdumpur station, where, according to the list of ancient monuments in Bengal, some antiquarian remains are said to exist. The place had better be struck out from the list. The collection of ancient sculptures inside the village shrine is of no importance at all; a dilapidated Idgah outside the village deserves no mention; and what Mr. Beglar considers the remains of an ancient Siva temple, are morely some crude tragments of granite pillars, marked with

the trisul, such as may be found in almost every village of the district.

At Ghenjan, some ancient Buddhist and Hindu statues may be seen, among others an image of Brahmani and Sivani. The principal figure is a large seated Buddha, wearing necklase and three-pointed diadem. Statues

of this kind are exceedingly common, but their meaning still remains a matter of doubt. They exhibit all the various postures and attitudes of the ascetic Buddha; but why in them he wears a necklace and a diadom, -a garb not suitable for an anchorite, is puzzling. The ruins of an ancient brick temple

also exist to the north-east of the village.

At Ghanjan I found on the pedestal of a large statue of Avalokitesvara an inscription, which says that it was the gift of the Schavira Ratna Sinha, who came from Nalanda, and was the disciple of the Sthavira Vriddha Sinha, and that it was dedicated by him for the benefit of his disciples Jnana Sinha and Uddyota Sinks. This is a remarkable instance of the adoption by Bad. dhist monks of names formed with the same compound as the names of their spiritual fathers, to which I had already previously, in paragraph (17), occasion to allude. A fragment of another identical inscription was lying close by. The modern temple at this place contains a large standing figure of Tars, now worshipped as Bhagavati, and carofully hidden by a yellow piece of cloth, which the priests at first refused to remove, under the pretext that the lady had to be kept in purdak; but they yielded to my request later on. Many minor images are collected at this temple, and at some distance stand in the open field a large Buddha, and Vishau on Garuda. I observed also a broken Suraj Marain, a peculiar form of linga, with small figures of Siva, Surya, and

23. Konch Pali, Utren, D.o. and Umja .- I have grouped these places together, because I consider it evident that the temple at Konch is of the same period as the temples at Dec and Umga. The resemblance in style is remarkable. It originally had in front a flat-roofed pillared hall or mandapa, which still may be seen on an old photograph, taken by Mr. Peppé, but which now has fallen in, the stone pillars supporting it, still lying in front of the temple. The same is characteristic for the temples at Dec and Umga and the ornamentation of the spire at Dec also is of the same kind as at Konch. The temple at Umga is plain, without ornaments. Moreover, tradition points to Bhairavendra, who lived about 1450 A.D., as the builder of the Konch temple. From his time also date, as we know from local inscriptions, the principal monuments at Doo and Umga. For these reasons, I think that the hitherto accepted date of the Konch temple, viz., eighth century A.D., should be put back for some seven centuries. The temple at Konch is not in a good state of preservation; although repaired some time ago, a great portion of the brick wall in front of the spire has fallen down. The building is worth being kept in a permanent state of repairs.

Inside the temple, the most remarkable piece of carving is a slab representing the Avataras or incarnations of Vishnu. It is distinguished from other similar representations by dividing the Vulnana Avatara into two scenes, by leaving out the ninth or Buddha Avatara, and by representing Vishnu in his tenth or Kalki Avatara in the company of a female deity, with a small horse standing in front of them. I am unable to suggest a reason for these peculiarities. Other statues, also Buddhistic images, and remains of

other minor temples abound at this place.

Pali and Utren are two small places near Konch, where some remains of no great interest may by seen. The temple at Pali is almost entirely gone, only some pillars and a statue of Braham still standing amongst its brick ruins. At Utren are the remains of an old fort, probably Muhammadan, with a Muhammadan dargah.

Umga contains a great number of temples on the rocky spar close to the village, mostly in a very ruinous state, with the exception of the principal one, which stands lowest on the hill and closest to the village. The inscriptions found there have already been mentioned; they help us to settle the date of these monuments. Besides, they contain a list of fourteen local Rejas down to Bhairavendra (1450 A.D.) He died childless, and his widow adopted two Rajputs who happened to come to Umga on a pilgrimage to Gaya. Some 150 years hereafter, the family removed their residence from Umga to Deo, where they still reside. Traces of the old pulace near Umga may

still be seen. The temple at Deo probably dates from this time, although local tradition gives it a fabulous age. It is in very good preservation, and still in use. Among the sculptures collected inside of it, the prevalence of the Suraj-Narain symbol deserves to be noted. The temple is dedicated to

this deity, as also the principal temple at Umga. 24. Pachar, Cheen and Denkuli -These places are all close to Rafiganj. The principal object of interest is a cave in the southern face of the Pachar hill. It is a natural fissure in the recks, the opening of which has been closed by a brick-wall, giving access to the cave through a small, stone-faced door. In front of it stands a partice, resting on stone-pillars. Inside the cave is a large statue of l'arsvanatha, seated, and other minor images, evidently all Jain. I could find no traces of any Buddhist remains in this cave, and it evidently belonged to the Jains. An inscription on its wall in rather modern characters says that a certain person, whose name could not be read, worships constantly Parsyanatha. The existence of a Jain sanctuary in this locality is of some interest on account of its isolation. All other remains at Cheon, Deokuli and neighbouring villages are either Hindu temples or Muhammadan mosques and dargas. They are of very little importance and need not be detailed here. Close to Cheon, in the open field, stands a rather well preserved large statue of Hari-Hara.

25. Kurkihir, Punawa, Basra Kol and Bishenpur. - The extensive remains near Kurkihar still yield a great number of fine Buddhist images. A large collection of these may be seen in the modern village temple. Others, recently found, are now placed inside the zamindar's bungalow. These it will be possible to remove to Calcutta, where other statues, previously found there, have already gone to. The great mound south of the village is also an extensive quarry for bricks, and is dag into by the natives of the place at random. It is a great pity that never any judiciously devised excavations have been carried out at this place. It is a promising site, and the work would be worth undertaking. The vandal digging for bricks, which is now going

on there, is likely, in course of time, to destroy all that exists.

This has happened already at Punawa, a place close to Kurkihar, where now scarcely anything exists. The remains of the temple of Triloknath, described by General Cunningham, have all been carried away since by the

lural zamindars, and nothing is left of them. Hasra Kol has been identified recently by Dr. Stein with the Kukkutapada-Vihara, or the cock's foot monastery, mentioned by Hieun Thsang, which Cunningham erroneously located at Kurkihar. The valley between the two parallel ridges of hills abounds in ruins of ancient temples, &c., evidently both Hinda and Buddhist A detailed survey of this area will be worth undertaking, as very little is yet known about it, and no accurate description exists. Three very fine Buddhist statues, said to have come from the Hasra Kol, are now placed inside a wretched small brick-house in the n ighbouring village, Bishenpur. The principal figure is a large seated buddha, with two attendants, one being Maitreya, the future Buddha, and the other evidently some form of Avalokitesvara. They are the finest specimens of Buddhist sculpture of the Pala time that I have seen, and for this reason it is a matter of regret that they are now hidden away at such an out-of the-way place, where they are hardly accessible to any student of Art. I shall accordingly later on submit a special proposal for their removal to the Indian Museum.

26. Afsend and Parabati Panar .- The big statue of a boar at Afsand, representing the Varaha Avatara of Vishau, is one of the most interesting remains in the district. Its style, as well as its material, grey sandstone, distinctly point to the Gupta period. It closely resembles the boar statue at Eran, in the Central Provinces, which belongs to the same period. The earth, represented as a female, grasps one of the boar's tusks in order to mount the boar's neck. The whole body of the boar is covered with small figures of Rishis, represented generally in worshipping gestures. The statue stands in front of a high brick mound, evidently the temple of Vishnu, built by Adityasena, one of the later Guptas of Magadha, of about 600 A. D. whose long and important inscription, found at the same place, has become lost, it appears, sum after Major Kittoe discovered it and took a copy of it. His copy fortunately still exists. The structural remains of this temple, which are now buried below this mound, seem to be fairly well preserved, and a judicious excavation of the mound probably will reveal a great deal of the ancient building. It would be a work worth undertaking, as Hindu temples of such a remote period are very rare and as, in this province at least, scarcely any remains of the same kind exist, which seem to be such a promising field for excavation. Other later statues are seen close to the mound, all were Hindu images, and I found no Buddhist statue at this place.

The remains at Parbati Pahar are of very little interest. They consist principally of the dargah of Haji Chand, Saudagar on the hill, a small insignificant building, occupying, as it seems, some ancient Buddhist site. Many heaps of bricks, also a few images, are found all over the hill and around the villages.

27. Miranpur Nadera, Jaru, Hasanpur Kako.—The remains at these places are the only Muhammadan buildings inspected by me in the district of Gays. The first two places are in the vicinity of the Barabar Hills, the last place lies some 5 miles to the east of Jahanabad. The dargah of Miran Shah at Naders and some mosques close to it seem to be rather modern, and afford little of interest. They are kept in permanent repairs, and covered with white-wash. On one of the tombs I observed a linga put up against the head end. The mosque at Jaru is a building of the Moghul period. It can, on no account, be auterior to Sher Shah's time, but I am inclined to consider . it as later. It is built partly of brick and partly of granite stones. Every detail of its ornamentation, which is not without taste, points to the Moghul period. It has three domes, and three prayer niches in back wall. The dargah of Bibi Kamal at Hasanpur Kako is very modernized, and little remains of its sucient structure. Fragments of glazed tiles, now placed in the walls, show that it must have been a monument of some consequence. No information with regard to its date is available. Fragments of some Arabic or Persian inscriptions on tiles are now placed over one of its gates, but they are not in situ and give no connected reading. Another inscribed stone slab is too much defaced to be read. A second mansoleum, called chots dargah, at the same place, deserves no mention.

D.-PATNA DISTRICT.

28. General remarks.—A number of the ancient remains in the district are of the same order as those in the district of Gaya. The modern city of Patna, Hilse, Telara, Bihar, and Maner contain prominently and almost exclusively Muhammadan monuments. The dargah at Maner is one of the finest buildings of the Moghul time in this province. The encient monuments inspected by me in the district of Patna will be described in the following order:—

Ancient Pataliputra and modern Patna; Rajgir and Giryek; Silae, Jagdispur and Baragaon (Nalanda); Ghowawan, Tetrawan and Pawapuri; Hilsa and Telara; Bibar; Maner.

29. Ancient Potaliputra and modern Paina,-The remains of ancient Pataliputra, the capital of Asoka, which, for some years past, have formed the object of extensive excavations, lie partly to the south of the East Indian Railway line, partly under the modern towns of Fatna and Bankipur. The result of these excavations cannot be said to have answered the rather sanguine hopes, which some eminent Indian archæologists, such as the late Professor Bühler, has entertained with regard to them. However, some of the ancient sites mentioned by the Chinese pilgrims have now been located with more or less certainty, and some fragments of ancient scalpture found during the excavations show that perhaps later on a day may come, when this ancient place will yield some important finds. The huge, solid mass of bricks, now buried under the Choti Pahar, evidently represents the ruins of a Buddhist stups of great age, but the various excavations, which have been carried on there down to a considerable depth below surface, have brought to light no object of any interest. Another larger mound close to it, called the Bari Pahar, has not been dug into. The modern Agam Kua, a large well, evidently stands on an ancient site. Some 15 minutes distant from it stands an ancient carved

stone showing on each side a female standing, and holding the branch of a tree. Close to it lie the fragments of an Asoka pillar, which have been found during the excavations. Although no inscription is on them, yet their polish as well as the material, sandstone, so closely resemble the other Asoka pillars, that no doubt can be entertained with regard to this find. A large capital of Greek style of the Ionian order also was brought to light during the excavations. It was placed inside the golah at Bankipur, but at the time of my visit, it was no more there, and nobody seemed to know

anything about it.

The oldest monument among the ancient buildings of the modern city of Patna, which are exclusively Muhammadan, is the mosque of the time of Sher There is no inscription on it, but there is no reason to doubt its traditional date. It is built of bricks, and covered by one large dome in centre resting on an octagonal spring. In each corner is a smaller dome, and between these four smaller domes, on each side, are one larger and two smaller vaulted roofs. The back wall has three prayer niches. Some repairs have been done to this mosque, but it is still in bad order, and some more might be done, as the building is remarkable on account of its style. Outside the mosque are a number of tombs, mostly modern. The oldest are the tomb of Koka Khan, who died in 1772 A. D., and of Mirza Aziz, who died in 1808 A. D. Another mosque, called Pather-ka-masjid, is of some interest on account of its inscription, which tells us that it was built by Parwez Shah, the son of Jahangir, out of the materials of the fort Majauli and a Hindu temple, which he had destroyed. Its date is the Hijrs year 1036, which began on the 22nd October 1626 A.D. Numerous other mosques and dargahe call for no remarks here, except that some of the ancient carved atones from Gaur, in the district of Maldah, are found built into them, as also into private houses. These materials

have been carried away rather a long distance.

30. Rajgir and Giryek.-Rajgir, the ancient Rajagriba, the first capital of Magadha, mow principally a sacred place of the Jains, who come there in great numbers from far away. They visit all the shrines on the tops of the five hills. These shrines are all of very recent date. They generally contain a stone with the foot-prints or padukas of some Jain Tirthankar. Older ruined shrines of the middle ages are also found there, but they no longer from an object of worship. Numerous Jain images are seen inside of them: I think the Jains had settled there already from the beginning of our era, as I believe that the famous Soubhandar, or Gold Treasury cave, at the southern foot of the Baibhar hill, was made by a Jain monk for the use of his own sect. This I conclude from an inscription in the outside wall of the wave. It is a Sanskrit verse, telling us that the famous teacher Muni Vairadeva made two caves which are a suitable resort for ascetics who wish to attain to nirvana, and which are renowned on account of Arhants. The two caves referred to in this inscription can only be the caves where the record is engraved; in fact, there are two caves there close to each other, one the ac-called Southundar, and the other now in ruine. The mention of the Arhants, as also other technical terms in this inscription, distinctly point to the Jains. There is, moreover, just below the inscription a now mutilated carving of Jain Tirthunkar of apparently the same period. The period of the inscription may be stated as the 3rd century A.D. on account of the shape of its writing. As the caves at the time when the Chinese pilgrims visited Rajgir probably were still occupied by Jain monks, we may assume that they have been left unnoticed by them, as, for a similar reason, the caves on the Barabar and Nagarjuni hills (see above paragraph 19), and we need not try any further identification of them with some of the sacred Buddhist sites mentioned by the I noted scarcely remark here that General Cunningham's identifiestion of the Soublandar cave with the Saptaparns cave, the traditional site of the first Buddhist Synod, has never met with any approval. The latter site, in all probability, is identical with the large natural caves near the top of the Baibhar hill, on its northern face.

A detailed and systematic exploration of all the hills near Rejgir, which seems to me worth undertaking, probably will bring to light more Buddhist remains, where at present are comparatively scanty. To the Hindus the hot springs at the foot of the Baibhar hill now form the principal object of

close to the old Jain temples.

The stupe at Giryek is undoubtedly a Buddhist monument of considerable age. If some clearing of rubbish around it could be done, it would be easy to prepare a good drawing of this important monument, showing its restoration to scale. The drums upon which the large hemispherical dome rested appear to have been comparatively low; they were probably only from three to five in number. They again rested on square terraces, divided by small pilesters in several niches or recesses. Some of the surface ornaments are still well preserved. They exhibit various patterns of flowers. The stupa was built entirely of bricks. A hole has been dug into it from the western side to take out the relic deposit. But, as shown by General Cunningham, the building was evidently a memorial stups, and did not contain any relies. It is the best preserved building of its kind in my circle, and a good drawing of it seems desirable; but it can only be prepared by help of excavation of the débris around the stupa. Close to it exist the remains of a water reservoir, and at a little distance to the west there are extensive brick ruins, the remains of a monastery or vibara, which was connected with the staps by a pathway, which still may be traced. This monastery is now in too ruinous a state to allow of forming an opinion as to its structure without making extensive excavations.

31. Silate, Jagdispur, and Baragaen (Nalanda).—Silate, which is an important village on the road from Rajgir to Bihar, is montioned here merely on account of sume ancient stones with Buddhist carvings which have been used as building materials for the principal mosque of this place. Jagdispur is only a short distance from Baragaon. It contains a very interesting large statue of Buddhs, which, with minor images, now stands on the top of a low mound, apparently the débrie of Buddhist temple. This statue shows Buddha attacked by Mara and his army, and around this are seven minor relief scenes representing other events in the life of Buddha. His nirvana is represented at the head of the image. Similar statues are by no means rare among the Bihar scluptures, but the relief scenes on them as a rule show Buddha, the principal figure, only, with not more than one or two attendants, while on the Jagdispur statue each relievo exhibits a great number of attendant figures. This seems to point to a greater age of the Jagdispur statue than that of the bulk of Bihar statues, as it resembles more the character of older Buddhist sculptures, such as those from Gandhara. Some of the figures with animal heads in the army of Mara also remind one of similar ones in well-known Gandhara carvings, and in the nirvans seems we observe above some hands without a body playing drum and cymbal, representations of the heavenly unusic which filled the air at all the great events in Buddha's career, a motive

which is also frequently met with in Gandhara art.

The high mounds which now bury the principal buildings of the once famous Nalanda, near the modern village of Baragaon, may be seen for a long distance. Some of the principal mounds have been dug into previously, but, unfortunately, no records were kept, and no good accounts are available with regard to these excavations. Other mounds have remained untouched, and some of them seem to be promising sites for exucavation. The buildings here do not seem to be in such a ruinous state as to have been reduced to mere heaps of bricks. A detailed and systematic exploration of the whole area seems very desirable. Among the Buddhist statues here, the most remarkable is an image of Buddha seated with an attendant on each side, and two flying figures holding garlands above. It is notable for one reason, vir., because to each of these four minor figures is added a short inscription, which tells us the name of the person which it is meant to represent. This is unfortunately very rare in Buddhist statues, and the work of identifying all the numerous representations from the Buddhist Pantheon consequently labours ander great difficulties. We here recognize, by means of those inscriptions. the two attendants below as Arya-Vasumitra and Arya-Maitreya, while the two flying figures above are Arya-Sariputra and Arya-Mandgalyayana, the two principal disciples of Buddha. No objection can have been raised against representing them in such a posture, as, being Arhaûts, they were possessed of the power of flying through the air.

In the village of Barageon is also a modern Jain temple with some ancient sculptures, which is now visited by some of the Jain pilgrims on their way from

or to Rajgir. 32. Pawapuri, Ghosrawan, and Tetrawan .- Pawapuri is a very holy tirtha of the Jains, it being the place where, according to their tradition, the last founder of their sect, Vardhamana Mahavira, attained to nirvana. It contains absolutely nothing ancient. The large temples here are all modern and are of no antiquarian interest. It lies close to the Bihar Nawadah road.

Ghosrawan and Tetrawan are both some three or four miles distant to the east, and can only be reached vid Pawapuri. Both places must once have contained large Buddhist settlements, as a great number of Buddhist statues are now collected inside of them, which evidently have been dug up in the neighbourhood. At Chosrawan some rained brick mounds are still to be seen; also a big mud fort. The principal figures at Tetrawan are a colossal seated Buddha, now on a brick terrace at the southern border of a large tank, outside the village; also a large statue of Marichi, in one of the modern temples there. A short inscription on a small Buddhist statue at the same place is of some interest, as it probably contains the old name of the village. It says that the statue was the gift of Tautava Ateka. This may be interpreted as Ateka from Tantava, and the latter may be an older form of the modern Tetrawan.

33. Hilsa and 7 clara. - The dargah of Shah Juman Medari at Hilsa is a place of far-reaching fame. It is a simple, square brick building, covered by one dome. It has one door only, in its southern wall. The three other walls have each one prayer nicke inside. There are seven tombs inside, of which the westernmost is said to be that of the saint. An inscription over the gate, the date of which corresponds to the 3rd June 1543 A.D., tells us that in the time of Sher Shah the tomb (gumbaz) of Miran Sayyid Juman Madari was repaired by order of Miyan Shaikh Alam Adam Shah Juman Madari, at the expenses of Darya Khan Zangi, an officer of the bodyguard. The original building thus appears to be older than 1543 A.D., but it cannot have been much anterior, as Shah Madar, the founder of the Madari order, to which the saints mentioned in the inscription belonged, is said to have been a contemporary of Ibrahim Shah of Jaunpur, who reigned from 1400 to 1440 A.D. Another inscription refers to the building of a mosque near the dargab, by a person called Riza. Its date corresponds to 1604 A.D., and it is of some historical interest, as it refers to Jahangir, who is called Shah Salim, as the reigning King. His father, Akbar, was still alive at that time, but Jahangir was already in open rebellion against him. He eliready then struck coins, with the name Salim, of which numerous specimens exist. The mosque, built by Riga, is no longer in existence, and the present one is an insignificant, modern building. The dargah is kept in fair order.

Tolars, the ancient Tailadhaka, is the site of a famous Buddhist monastery,

of which, however, very little remains. Some ancient stones have been used as building materials for the mosque there, which is called the Sangi Masjid, and for the dargab of Sayyid Yusuf Abdal, close to it. Both stand on a high mound, apparently the site of some Buddhist building. On one of the stones, which is now used as a lintel over the door to the mosque I found the ancient name of the place, Tailadhake, written in characters of the Pala time. Inside the dargah is an inscription of Sher Shah's time, which has become very much defeced. Both the mosque and the dargeh

are of no special interest.

34. Bihar.—The only Hindu remains in Bihar are the sandstone pillars, now put up in the Subdivisional Officer's compound. One of them bears an important Sanskrit inscription of the time of the Gupta kings. It has been put up upside down, apparenty because, below the inscription, no vacant

space remains to afford a support for the pillar,

The fort is in utter rains, but traces of its walls, &c., remain. A gateway, which was still standing some 30 years ago, has now entirely broken down-Ancient Buddhist carvings have been used in building the various mosques and dargahs, which now adorn the place. The principal dargah is that of Malik Ibrahim Bayyu, who, according to the inscriptions on its walls, died on the 80th January 1863 A.D. It stands on the top of the Bihar bill and closely

recombles the dargah of Juman Madari at Hilsa (paragraph 33). The curved battlement, which is so common a feature in similar buildings of the same period in Bengul, is not met with here; in fact, this peculiarity seems to have been confined to Bengal only. The tomb of the saint is in the centre, with ten smaller ones around it. The dargah is in a fair state of repairs. Other dargahs have no domed buildings, but consist merely of open tombs, with mosques, musafirkhanes, and other houses in their compound. The principal ones are the dargah of Sherafuddin, Qadir Qumaish, and Shah Ahmad Charampowh. The dargah of Qadir Qumaish contains merely buildings of very recent date, not more than sixteen years old; but some ancient carvings may be seen here. The dargat of Shah Ahmad Charamposh has an ancient gateway, coming from some Buddhist or Hindu temple, with elaborate delicate carvings. Some of the carvings have been chiselfed off, and Persian verses, expressing moral and religious precepts, have been engraved in their place. The Juma mosque was built in the time of Akbar, at the instance of Said Khan, who was Governor of Bihar from 1004 to 1010 Hijrs ers. The date of the inscription is the Hijrs year 1004 which began on the 6th September 1595 A.D. Said Khan is said to have had a special passion for eunuchs, of which he had 1,200. One of them, Ikhtiyar Khan, who acted as his Vakil, was the builder of this mosque. Another mosque was built in Shah Jahan's time by Habib Khan, an Afghan of the Sur clan-Its date is the Hijri year 1047, which began on the 26th May 1637A.D. There are other mosques of the same period, but they have no inscriptions. All these buildings are generally in a fair state of preservation. Numerous ancient Muhammadan inscriptions have been carried away from Bihar to Calcutta; others are still lying inside the principal dargahs. They all have been deciphered and translated previously.

35. Maner.—A special report on the Maner tembs has been submitted in my letter No. 12, dated the 17th February 1902. There are two tembs at this place, viz., that of Shah Daulat, called the choti dargah, and that of Shaikh Yahya Maneri, called the bari dargah. The former is a very fine building, the best specimen of a mausoleum of the Moghul style in this province. The stone carvings on its walls are of a delicate taste and high finish, and by this it far excels the widely famed mansoleum of Sher Shab at Sasseram (see paragraph 39), which, on the other hand, is of grander and more imposing outlines. Good photographs and drawings of the mausoleum at Maner should be prepared, with a view to publication. The saint died1017 A.H. (=1608A.D.); the mansoleum was completed in 1025A.H. (=1616A.D.); the mosque inside its compound was built by Ibrahim Khan in 1028A H. (=1619A.D.), while the gateway bears an older inscription, the date of which corresponds to 1603-4 A.D. Ibrahim Khan was then Governor of Bihar. He also built the mosque near the bari dargah of Shaikh Yahya Maneri; the date of its inscription corresponds to 1605-6A.D. It is at present in a ruinous state, but not worth repairing. The mausoleum of Shah Daulat, the choti dargah, is in very good order and regularly looked after by the Public Works Department. Its gateway is becoming dilapidated and the roof of its mosque had to be supported by wooden beams, as it became unsafe, I did not consider it necessary in my previous communication to recommend

any further repairs to it.

Outside these two dargahs I found some other tombs, one with au inscription, the date of which corresponds to 1575.76A.D. It is in a ruinous

E .- DISTRICT SHAHABAD.

General remarks.—In coming to the district of Shahabad from the neighbouring district of Gaya, the traveller is struck with the absence of Buddhist remains, which suddenly seem to disappear, as soon as one crosses the Sone. In fact Buddhism when it flourished in Magadha from 800 to 1200 A.D., does not seem to have extended beyond that river. Wherever, in the district of Shahabad, I found some fragments of ancient statuary collected under the village pipal tree, I hardly anywhere observed Buddinst sculptures among them, and those collections too, are not as frequently met, as in the district of Gays. There is, however, one very aucient Hindu

temple at Mundesvari in the Bhabua subdivision of the district of Shahabad which, I think, cannot be later than 600 or 700 A.D. It is evidently the oldest and most important building of its kind within this province. The principal other buildings belong to the Muhammadan time, especially the tombe at Saveram and Chainpur, and the hill forts at Rohtan and Shergarh. The ancient monuments inspected by me in the district of Shahabad, will be dealt with in the following order:—

The temple of Mundesvar;
The remains at Tilothu and Tutrahi;
The remains at Sameram and Chainpur;

Khotasgarh; Shergarh.

37. The temple of Mundeevari, - This temple stands on the top of a hill close to the village of Ramgarh, 7 miles south-west of Bhabuah. It appears to have been a square outside and an octagon inside, covered by a pyramidal roof. The principal entrance was from the east through a door, which originally had a pillared porch in front of which, however, only a few pillars are still standing. There was another door in the western wall, while the northern and southern walls each had one latticed stone window. The northern one is still well preserved, and the carvings around it are of exactly the Gupta style. Their design is very tasteful. The temple was built entirely of stone, and is now in a very ruinous state. Many of the stones have fallen down, and now form a huge pile around the temple. I am airaid, to put it into proper repair, would be a very costly matter, and I have for this reason not yet submitted a special report on it. But I intend doing so later on, as Hindu temples of such a high antiquity are very rare, especially in this province, and as, for this reason, it seems desirable to have the building tested by an experienced architect, who would be able to pronounce an opinion as to what can be done to it, and at what cost. My statement with regard to the age of the temple is based partly on the form of the writing which is found all along the way up to the temple incised on the rooks, evidently pilgrims' records, partly on the style of its carvings, and of various ancient statues found among the debris around the temple. Among the latter I observed a statue of Sive, which still shows the phallic emblem of the god. As I have observed already previously, this is decidedly a sign of antiquity, for, in later periods, this mark was left out in statues of the god. Inside the temple now stand a large Chau-mukhi Mahadeo, and a statue of Durga, both of later date than the temple. Various other remains, partly of brick buildings, are seen all along the eastern slope of the hill, also some rock carvings, apparently of ancient times.

38. The remains of Tilothu and Tutraki.—Pilothu is a large village, baltway between Sasseram and Rohtasgach, where the two roads from Sasseram and Dehri meet tegether. Its large Hindu temple is modern and of no interest. Among the namerous Muhammadan musques and dargahs, which I saw at this place, the oldest is a mosque of the time of Aurangaeb, the date of which corresponds to 1677 A.D. The builders of the mosque are called Golha and Haitam. The mosque is of no special interest. The place is, however, already mentioned in older seconds, and from the inscription on a temb at the foot of Rohtasgarh from the beginning of 1638 A.D., we learn that it was a part of the jagir of Ikhles Khan, who was then the Qilader or commandant of the Rohtas fort

Tutrahi is about 5 miles west of Tilothu. It is a place where the neighbouring range of hills forms a knee. Here a small streamlet of water runs down the precipitous cliff, and collects into a pool in front. It is for this reason that the place has become an object of worship. High upon the rocks, on a small natural terrace, a small statue of Mahishamardini has been put up. In an inscription close to it, which apparently refers to the consecration of this image, she is spaken of as Jagaddhatri. This inscription is evidently several centuries later than other records, which are found at the same place, around a crude, rock carved figure of a female deity, and the date of which, as calculated by me, corresponds to Saturday, the 19th April, 1158 A.D. The inscription is one of the Nayaka Pratapadhavala, a local chief of whom we possess other records from Rohtasgarh and the Tara Chaudi rock near Sasseram. He appears to have made a pilgrimage to the Tutrahi falls

accompanied by his whole household, for, besides his own name, he mentions his brother's wife, Sulhi; Tribhuvanadhavala, Somali, Lakshmaditya, and Padmaditys, persons whose rank is not specified; his sons, Satrughna, Viradhana, and Sahasadhavala; five female slaves, called Ludums, Nayakama, Alhi, Puttriki, and Ekali; his treasurer, Dovaraja; his door-keeper, Vimala, and his Court Pandit, Visvaropa, who remarks that he constantly meditates over and praises the goddess.

30. The remains of Sasseram and Chainpur.—The most ancient monument at Sasseram is the Asoka inscription which is found inside a small natural cave on the top of Chandan Pir's hill to the east of the modern town. The inscription probably contains a date referred to the death of Buddha; but the passage still remains a great puzzle, and no absolutely convincing interpretation has yet been found. Other versions of the same edict exist at Rupnath in Central India; at Bairat, near Jaipur, and at Siddapur in the Mysore State. The hill where the inscription is incised evidently was an old Buddhist site, which appears to have been appropriated later on by the Muhammadans. They now worship there at the dargah of Chandan Pir, a saint of whose life and history they know absolutely nothing, although they insist upon his being called Shahid, or martyr. A small building close to the dargah was erected by Faqir Muhammad Chaudhuri, a tobacco-seller. Its date corresponds to the 28th January 1804 A. D. A ruined mosque of the time of Jahangir, at the foot of the hill, bears a date which corresponds to 1613 A.D.

The magnificent mausoleum of Sher Shah inside the town, and the other smaller one of his father, Hasan Khan Sur, east of it, are among the most important ancient monuments in this province. When the tomb of Sher Shah was restored some time ago by order of Government, the small capela, which originally was placed on the top of the big dome, was pulled down and replaced by a pinnacle similar to that on Hasan Khan's tomb. Why this was done, I am not able to understand. It can hardly be called a restoration, and such an exemple should never be followed in carrying out a work of this kind. It has been proposed to close the doors and windows of both mansoloums by wire-netting, in order to prevent bats from entering, and I recommended this proposal to be sanctioned. When I was at Sasseram, the work had not yet been taken up. On a bright day in the cold weather, bats will hardly enter, as the interior receives too much light to afford a pleasant resort for those animals; but on rainy days they seem to like seeking shelter inside, as I could observe at my subsequent visit to the tomb, when it had been raining heavily for two or three days. The dome of the mausoleum of Sher Shah also seems to be leaking.

No repairs can be done to the unfinished temb of Islam Shah or Salim Shah and to the tomb of Alawal Khan. The latter has some fine carving around its principal door. It is said to be a building of Sher Shah's time, but this seems doubtful. The Idgah near Sher Shah's tamb, was built by Majahid Khan in the time of Shah Jahan. The dates of its four inscriptions cover the period from the middle of 1833 to the middle of 1536 A. D. It seems very unlikely that it has taken such a long time to complete a small building of this kind, and I do not understand the difference between the four dates. There is also at Sasseram an ancient private house called Nawah's Garh, which is now in a very ruinous state, and a Turkish Bath, which may be old as local tradition asserts.

Other buildings there are modern, and call for no remarks.

At Chainpur, the principal monument is the mausoleum of Bakhtiyar Khan. As I shall later on submit a special report on this temb, I need here only say that it is an exact counterpart of the mausoleum of Hasan Khan at Sasseram, but of larger dimensione, and with a small cupola, instead of a pinnacle, on the top of its great dome. It is just on the verge of falling into rains, and, if repairs are not done to it now, it will soon become destroyed. I consider these repairs worth undertaking, as it is the finest specimen of its kind, together with the tombs of Sher Shah and Hasan Khan at Sasseram. Many similar tembs of smaller size are seen all around Chainpur, but I need not go into details with regard to them. The fort at Chainpur is evidently a building of the time of Sher Shah or Akbar, as seen by the style of its principal gate, the only portion of it that is still fairly intact. Inside the fort, there is a small Hindu shrine where a piece of stone is worshipped as Hamsu Brahma, I was told that it represents a holy man who, after death, had become a BrahmaI have nowhere else met with this carious form of worship. The Juma mosque at Chainpur has an inscription the date of which corresponds to 1668-69 A.D. It is a building of no special interest, but looked upon with great veneration by the Muhammadans of the place, who are either too poor or unwilling to

keep it in proper order.

40. Rohtasgark .- The extensive remains of the hill fort at Rohtas are a very interesting specimen of this kind, and together with the similar ones at Shergarh, which will be dealt with in the next paragraph, they are decidedly unique in this province. No good photographs and drawings of the remains at both places exist, and it would be worth the while to prepare such with a view to publication. The principal remains are generally in a good state of repairs and regularly looked after. Some of the tombs, however, as also portions of the walls and fortifications will in course of time fall down entirely, and it partly seems impossible to prevent this, and partly the monuments are not of such a great value as to make it desirable to spend large sums of money upon them. There is, however, one private house of an officer of some standing close to the palace, which is still buried within jungle. It is the only building of this kind at Rohtas, and for this reason of some interest. It is a two-storied house with an open verandah, the roof of which was originally supported by pillars, but it has now fallen down. All that needs be done to it is to keep the place clear of jungle, to make the house easier accessible. The elephant gate of the place bears an inscription both in Sanskrit and Persian referring to the completion of the gate. The dates of both are identical, that of the Sanskrit portion corresponding to the 14th March 1597 A.D., and that of the Persian part to the 16th of the same month and year. When Blochmann translated the Persian inscription, he was misled by the word Alif, which follows the Persian text, and referred the date to the Alfi era, which would put it back to a later time. But the Sanskrit inscription clearly shows that the Persian date refers to the Hijri era. The inscription mentions the Purchit Sridhar; the darogha Bai Bhadr, a Brahman; and the architect Ustad Maharak. We meet the same persons again in an inscription over the Kathantiya gate, the date of which corresponds to the 28th February 1607 A.D. Besides we find here mentioned Gopal Das Chanhan, who, with Sridhar, held the office of Shipdar. This inscription also has a Sanskrit portion, but it is written in very small letters and put up very high, so that I was unable to read it, and I had no ladder with me at the time of my visit. The same unfortunately was the case with another inscription over the central arch of the Alamgiri mosque, which stands on the road from the palace to the Lal Darwaza. I think, however, I could read the date 950 Hijra era, and the name of Sher Shah. Also the words Sultan as Salatin seemed certain to mo, and this shows that the king cannot have been a Moghul Emperor, as the title Sultan was never borne by them. The style of the mesque agrees very well with its supposed erection by Sher Shah. It is in a fair state of repairs, and worth being kept in order. There is only one other mosque close to the tombs, which was built by Habsh Khan, swidently a sunuch. Its inscriptions, which now lies inside the palace, bear a date corresponding to 1580 A.D. Tombs abound, but only one is inscribed, while on four others I noticed the vacant space for the reception of the inscribed tablet, which has been lost. The date of the inscription corresponds to 1578 A.D., and it tells us that it is the tomb of Shan Saltan, who died suddenly, when he was just expecting to be promoted to the rank of Khan. It has the finest specimen of stucco ornamentation on its back wall. Another large domed tomb closely resembles that of Hasan Khan at Sasseram. It is evidently the tomb of the darogha of Sher Shah mentioned by Buchanan. The tomb of Shafi Sultan, as others too, is remarkable for this reason that it is covered by a dome, supported on pillars. Similar structures are called Chattris in Rajoutana, where they are frequently met with. Evidently they are an importation from this country, due perhaps to the fact that the garrison of the fort largely recruited from there. I have also observed similar tombs near Chainpur, but they are by no means frequent in Bihar, and never found in Bengal. Another importation from the North-West appears to be the octagonal open pillared hall, covered by a hemispherical done, which stands in front of some of the Rohtas temples. tI is common in Rajputana and thereabout, but rare in Bihar. Of one of

the best temples of this class, which stands on the way to Rajghat, the perch has broken down, and is now lying in front of the temple. It would probably be very costly to put it up again. The two small temples in the south eastern corner of the plateau, one of which is called by Buchanau the Chauri of Rohtas, are fine specimens of their kind, especially the small pillared

hall, covered by five domes.

At the foot of the plateau there is a large temb which consists of an oblong compound wall, the west side of which has inside a raised stone terrace and three prayer niches. The gate is in the northern wall. Inside are seven stone surcephagi, standing on a stone platform. A temb of this kind is called a Chardiwarrah or 'four-walled enclosure.' Over the gate is a long Persian inscription, which tells us that the temb was built for himself and his family by Malik Wisal, the Darogah of the Rohtas Fort, in the time of Shah Jahau, when Ikhlas Khan was the Qiladar or commandant of the fort, with the rank of a commander of 3,000. It also mentions a number of parganas, which formed the jagar of Ikhlas Khan, among which we find the well-known names of Tilothu, Akbarpur, and Bilaunja, which are all close to Rohtasgarh. The temb was begun on the 6th September 1636 A.D., and completed between the 17th January and 15th February 1638 A.D.

41. Shorgarh.—This hill fort, according to Buchanan, was built by Sher Shah, after he had already begun fortifying the Rohtas hill, as the place seemed more favourable to him. It is covered with jungle and never seems to have been looked after. The ground around the palace, which is an interesting building, at least should be cleared. This must needs be done before measurements can be taken in order to prepare plans and drawings, which, I think, is desirable to undertake. Not even a complete and accurate account of the buildings there exists. My notes, which I took down on the spot, will enable me to add considerably to the meagre account in the List of Ancient

enable me to add considerably to the meagre account in the List of Ancient Monuments in Bengal, if I should be called upon to prepare a revised edition of the same. I do not, however, intend here to enter into a lengthy description of details, but I shall merely mention such points as seem to me remarkable.

The plateau of Shergarh is much lower than Rohtas hill. It may be four miles in circumference. It consists of two elevations, divided by a depression of the ground, where there is a large tank. The palace or Qilah stands upon the highest of southern elevation. All along the edge of the plateau runs a stone wall with several bastions and fortified ghats exactly as that at Rohtas. The entrance to the palace leads through three strongly fortified gates. The palace, which is the principal building at Shergarh, consists of two square open courtyards, surrounded by four open galleries, which are supported by pillars in front, with only a few closed rooms. Owing to the peculiar shape of the ground, the southern courtyard is much higher than the northern one, and of the latter again the northern gallery is lower than the other three. Thus, standing on the roof of one of the galleries around the southern courtyard, one could overlook the entire northern courtyard, while a person standing on the roof of the galleries around the northern courtyard, could observe nothing that was going on in the southern compound. The people now believe that this arrangement was made because the northern court was occupied by the ladies of the zanana. They could thus easily be watched by the men, while they were prohibited from looking into the male compartments. Some of the carvings on the pillars, supporting the galleries, are of a high order and much better than anything of the same kind at Rohtas.

Another remarkable feature are the many underground rooms inside the palace. I observed five, but others seem to exist, which are now inaccessible. Most of them were dark, and received no light-from above. They may have been used as store-rooms; one was used as a water-reservior. One room was well lighted by means of skylight. It is in the northern courtyard, the supposed zanana, and may have been intended as a place of retreat for the ladies in time of a siege or during the heat of the day. Before entering the palace gates one meets two open pillared balls, which are said to have been used as Diwan khana, or offices. I found only one mosque there, which is close to one of the gates leading into the palace. No temples are there, and the absence of any tombs is very remarkable. I was at first inclined to look upon this as a sign that the fort had been occupied for a short period

only, but it seems possible that some of the heaps of stones which are scattered all around the plateau may be the remains of tombs. I found absolutely no inscriptions. Altogether the place is deserving of being better looked after than at present.

F.-DISTRICT BIRBHUM

42. The temples of Baircever.—A special report on this place has already been submitted in my letter No. 13, dated the 18th February 1902. The place owes its sanctity to some hot, sulphuric springs, which here, as elsewhere in India, are looked upon as manifestations of some divine power. Around those springs, quite a small city of temples, enshrining linguas, has sprung into existence. The temples are generally very small; but one large temple stands in the centre, which has received some bad cracks, which will now be repaired at the cost of the Sebaits. All the temples seem to be comparatively modern, and the dates, Saka years 1677 and 1683, corresponding to A.D. 1755 and 1761, which I found in two Bougali inscriptions on tiles, may well represent the age of establishment. Altogether the place is of not more than local interest.

G.-DISTRICT HOOGHLY.

43. The remains at Tribeni and Pandus, -- The remains at these places consist of the dargah of Zafar Khan Ghazi at Tribeni with an old mosque clove to it, and of the Minar and large mosque, and the dargah of chah Sufi Sultan at Pandua; the latter also has an old mosque stending close to it. I have submitted a special report on these remains in my letter No. 16, dated the 19th February 1902. My proposals as to the repairs of these buildings principally concern the Minar at Pandua. The fifth storey of this tower, together with the pinnacle, has fallen down, and I have suggested to restore it, as the monument, though not very tasteful in its outlines, certainly is unique in this province. An ancient lithograph, which still shows the building complete, will enable the Engineer in charge to do this with accuracy 'The Minar is evidently an imitation of the famous Qutub Minar in Delhi. Its accurate date, as well as that of the mosque close to which it stands, is not known, but it may well belong to the time of the Muhammadan conquest of the place, which occurred about 1300 A.D. Close to the dargah of Sufi Sultan, which is an insignificant, modernized building stand two mosques, one built in the time of Shamsuddin Yusuf Shah in 1477 A.D, and the other built by Fath Khan, an Afghan of the Sur clan, in 1727-28 A.D. I have suggested that petty repairs might be done to the old mosque near the dargah of Sufi Sultan and to the big mosque at Pandua, to prevent those parts of them that are still standing from complete destruction.

The mosque at Tribeni is evidently the oldest mosque in Lower Bengal, and I have suggested that it might be kept in proper order. The dargah of Zafar Khan Ghazi is remarkable on account of its showing many ancient Hindu carvings: here, as in Pandua also, the spoils of Hindu temples have largely been made use of as building materials. Inside even some Bengali inscriptions may be observed, such as the killing of Ravana by Rama, the marriage of Sita, Sita's exile and similar ones. Only petty repairs have been suggested by me with regard to this building.

H.—DISTRICT PURI. *

44. Remarks on the repairs does to the Black Pagada at Konarak, the temples at Bhabaneshwar, and the cases at Khandariri —I am glad to report that the excavation around the Black Pagada at Konarak, which was taken up at my suggestion, has greatly improved this important but long neglected monument. As at present sanctioned, it will be carried on up to a line running through the northern and southern doors of the Mandapa, thus the whole front part of the temple compound will be laid open, down to the original lovel of the ground. When I was there, the northern side of the basement and staircase had been disclosed. It shows three large wheels, and in front of them three horses. The corresponding southern portion will have similar whoels and horses. The temple was thus represented as the chariot of San-god, drawn by his seven chargers. Two oblong platforms also had been laid open in the

north-eastern corner of the courtyard, apparently used for bathing the images. The stones, which had become loosened, are carefully collected around the temple and it will later on be possible to put up some of them in their original places. When the work, which is now being done, has been finished, it will be necessary to decide whether the excavation should be carried on further to the southern half of the temple court.

At Bhubaneshwar, the following repairs were carried on at the time of my

vizit :-

(a) The temple of Meghesvara, which is called by R. L. Mitra the Bhaskaresvera temple, is being repaired. I suggested this on the ground that

this temple is unique on account of its style;

(b) The four minor temples in the courtyard of the Brahmesvara temple are being repaired. The temples have to be dismantled and put up again by using partly their own materials, partly others from neighbouring shrines, which it is not intended to preserve;

 (c) The Raja-Rani temple is being provided with a stone fencing;
 (d) The minor temples near the Muktesvara temple are under repairs, and the tank close to it has been emptied and is being provided with a new stone facing. After the completion of these repairs, the place will look very neat

(e) The repairs to the roof over the porch of the Parasuramesvara temple

are not yet finished, but they will soon come to an end;

(f) The repairs to the Sahasralinga tank had just begun, and the tank

was emptied;

(g) Some repairs were done to the minor temples within the courtyard

of the Lingaraj.

If it should be intended to do some further repairs to other temples at Bhubaneshwar, I would surgest that something might be done to the Bhaskaresvara and Yamesvara temples, also to a small temple close to the Vetal-Deul, which is an exact copy of the Parasuramesvars, and to the Ananta Vasudeva temple. Those are the finest specimens among those temples, which have not yet received any repairs. Some temples like the Brahmeevara and Mukteevara, have very fine carvings inside, which are now covered with soot. It would be well to clean them.

The repairs done at Khandagiri are as follows:--

(a) The carvings in the Rani Gumpha, Gancea Gumpha, Ananta Gumpha, and Nava Muni Gumpha have been cleaned, as suggested by me, and this has greatly improved them;

(b) The two elephants, flanking the stairs of the Ganesa Gumpha, are put

up in their original position;

(c) The Hathi Gumphs inscription is being provided with a shade, which, I trust, will help to preserve that, what remains of this important record, which, unfortunately has suffered badly from the effects of sun and rain;

(d) The Tantua Gumpha has been repaired, and the cave below it will also be put in proper order. They are on the northern slope of the Khaudagiri peak, where a good deal of the jungle has been cleared;

(e) A modern temple, close to the Nava Muni Gumpha, has been pulled down, as it had become unsafe. The building was of no interest, and its destruction is absolutely no loss.

L-DISTRICT KHULNA.

The remains near Boyerhat.—The remains here consist principally of the dargah of Khanja Ali and the Sat Gumbaz mosque. Khanja Ali is the local form of the name, but in the inscriptions around his tomb, he is merely called Khan Jahan. He is said to have been the cultivator of the Sundarbans. According to the inscriptions on his tomb, he died on the night of the 26th Zil Hijjah 863, that is, the night of the 23rd to 24th October 1459 A.D., and he was buried on the 25th. The tomb is a stone sarcophagus, resting on a double stone terrace. This again stands upon a brick-terrace, which was laid out with glazed tiles, showing various patterns, all in blue and white. They have now become loose, and have been collected around the stone-terrace. The latter is covered with inscriptions, but they are all merely pious sentences in Arabic and Persian. The only historical inscriptions are those which give us the name Khan Jahan and the date of his death and burisl. The sareophagus stands inside the usual mausoleum, which is covered by a big dome. To the west of this stands another stone sarcophagus, which, as the inscription on it tells us, is the temb of Muhammad Tahir. The date of his death could not be made out, as the inscription is too much defaced. Further to the west stands a large one-domed mosque, and another mosque, with nine domes, stands on the western borders of the tank, close to dargah. This tank swams with alligators, who are regularly fed by the Khadims of the place. I myself watched the men standing on the steps of a glut and calling out for an alligator to come, when, after some three minutes, he slowly approached the steps of the ghat, where he lay down lazily, and, after some hesitation, swallowed a small fowl, which was held in preparation for our visitor. Wherever, in Bengal, a hely Pir resided, he is said to have been on friendly terms with the alligators and crocodiles, living in the tank close to his place.

The dargah is in fair order, not so the mosques, but it is not worth the

while spending much money upon them.

There are many other rained mosques on the way to Sat Gumbaz, which is about one mile distant from the dargah. It is a large oblong building, covered by 77 domes, with one tower in each corner. The central transept has seven vaults instead of the usual domes. The eastern wall has eleven arched entrances, and the northern and southern ones have each seven. The western wall has ten prayer niches, a small door being let through the place to the right of the central niche, instead of adding an eleventh niche there. It is evidently a mosque, although local tradition asserts that it was used by Khanja Ali as his durbar hall. This is very incredible. No inscriptions tell us its date, but little doubt remains that it is a building of Khanja Ali, to whom this whole land belonged. Out of the 77 domes, 21 are more or less damaged, and there are also cracks in the walls. It would be well if some minor repairs could be done to it, for, although defective in taste, it is a peculiar structure, which should not be allowed to fall into utter ruins.

K .- DISTRICT DACCA.

46. General remarks.—Before visiting the district of Dacca I expected to find there some good specimens of the Bengali-Muhammadan style of architecture, but I was very much disappointed in this regard. In fact, having seen almost all the existing remains of this style, I have come to the conclusion that nothing can compare with the buildings at Gaur and Paudua, in the district of Malda. They are by far the best, and all other monuments of the same class are nothing but inferior copies. The remains at Dacca will be dealt with in the order as follows:—

Remains at and near Dacca, Remains near Narainganj.

Ancient Sonargaon. Remains in the Munshiganj subdivision.

47. Remains at and near Dacca.—No Hindu remains of any importance exist at Dacca. The far-famed temple of Dhakesvari is a modern structure of no interest. Other temples, mentioned in the List of Ancient Monuments

in Bengal, are still inferior to it.

The principal Muhammadan remains are the Lalbagh Fort, of which still a good deal is standing, but in a ruinous condition, and it seems impossible to do anything to it. Within the enclosure of this fort stands the mausoleum of Bibi Peri, the daughter of Shaista Khan, which, though defective in its outlines, is not without some taste inside. It is laid out with white and black marble, and kept in fairly good order. I found here an inscription in Persian verses of Ruknuddin Barbak Shah of Bengal, which is the first known inscription of a Bengal Sultan, composed entirely in Persian poetry. Nobody seemed to know where it came from. The great and small Katra are in a ruinous state and of little interest. The Husaini Dalan is an absolutely modern building, now used during the Muharram festival. Assmall inscription in its walls tells us that the original

building was erected in 1643-44 A.D. by Sayyid Murad, when Azim-ush-Shan was Governor of Dacca. Close to it are the tembs of four of the modern Nawabs of Dacca. Three older tombstones are now placed into the walls of the Husaini Dalan; they belonged to the tombs of Mir Fayyez, who died in 1719 A.D., Aga Muhammad, who died in 1730 A.D., and Ashur Beg, who died in 1818 A.D. The tembs in the Shahbag at Ramna ere of no interest at all. Close to it are some old rained mosques. The Sat Gomal mosque near Mirpur, which is locally called merely the Sat Masjid, is remarkable for this only, that it has in each corner a two-storied domed pavilion with open windows. The mosque is still, in nee, and kept in good order. Many other rained mosques are close to it. The dargah of Shah Ali Sahib is some two miles distant from the Sat Masjid. An inscription in Persian verses tells us the history of the place. The original building was erected in 1480-81 A.D., but in 1577-78 A.D., it had already fallen into decay. Shortly afterwards, Shah Ali came from Baghdad to India, and finally settled at this place, where he shut himself up from all intercourse with the outer world. After his death, a mausoleum was built over his tomb, and this was again repaired in 1806 A.D., at the instance of Nawab Nasir Mulk. From an older inscription at the same place, we learn that the original building was a mosque, erected 1480-81 A.D., in the time of Yusuf Shab. The dargah is in very fair order, and the late Nawab of Dacca has built a rest house for pilgrims close to it, and provided it with a road to make the place easier accessible.

48. Remains near Narainganj.—The fort at Hajiginj consists of a low enclosure wall of irregular shape, with several bastions, and a gateway to the north. No traces of ancient buildings are found inside. At a little distance from it, I found an old mosque of the Benguli style, which is still in use. Opposite Narainganj, at Nabiganj, is the Qadam Rasul. All the buildings at this place are modern, but they stand on the foundations of older ones. From inscriptions we learn that the mosque at this place was built in 1786 A.D., while the lofty gateway, which now leads into the enclosure, was erected 19 years later. The foot-print is kept inside a small house. It is a piece of black stone, showing the rude impression of a human foot, of natural size. In fact, all the foot-prints of this kind, which I have seen, are of natural size, in opposition to those worshipped by Hindus and Buddhists, which grow larger and larger, the later they are. An inscription from the tomb of one Amanat Khan, which is now put up near the gateway, is older than the present buildings. It tells us that Amanat Khan was buried near the holy shrine, containing the

Prophet's footprints, in 1742 A.D.

49. Ancient Sonargaon. This once important town, famous for its fine muslins, and for some time the capital of Eastern Bengal, has fallen into utter rains, and very little has remained of it. The places described by Dr. J. Wise in his well-known account of Sonargaon, are scarcely worth being mentioned, and I shall not enter into any details with regard to them. The only important remain is the tomb of the Bengal Sultan Ghiyasuddin Azam Shab, near the modern village of Mograpara. It is true that only tradition points to it as the burial place of this Sultan, but I see no resson to doubt this. Another tradition tells us that he died from cholers at Atia, in the Tangail subdivision of the district of Mymensingh, on his way back to Sonargaon, and that he was buried on the spot; but this tradition deserves no credit whatever. So also does a third one which says that he lies interred in the Eklakhi mansoleum at Pandva, in the district of Malda. The tomb at Sonergaon consists of a plain basalt sarcophagus, standing on a terraced platform, of the same material. The stones now have sunk, and have become dislocated, but they can easily be put in proper order again. I shall later on submit a special report on the repairs which I consider it desirable to do to it. Close to it is seen another brick tomb, of no interest however.

50. Remains in the Munshigasi Subdivision.—The fort at Munshiganj is a building of the same kind, as that as Hajiganj (see paragraph 48). The temb of Baba Adam at Rampal is a plain brick sarcophagus, standing inside a small enclosure, surrounded by brick walls. Close to it is an old mesque built in the time of Fath Shah. The date of its inscription corresponds to August 1483 A.D. The mesque is in 8 ruinous state, but I cannot recommend spending much money on its repairs. Of the old place of Bikrampur, called the

Ballalbari, or Rajbari, only traces of the walls and ditches may be seen; there are no structural remains of any importance inside this enclosure. The Ballali bridge near Mirkadim has received some repairs from time to time and seems to be in fair order. At Rikabi Bazar, there is an old mosque of the

Bengal style, of no special importance.

The Rajabari Math, 11 miles south of Munshiganj, is the most interesting ancient monument to this subdivision. It was erected by Chand Roy and Kedar Roy over the funeral pyre of their mother, and had been repaired in 1896 at the cost of Raja Srinath Roy, of Bhagyakul. It is a high tower, like a Hindu temple, built of bricks with ornamental designs in its outer surface. Among those the absence of any human or animal figures is remarkable in a Hindu monument of this kind. The statement that it was erected over the funeral pyre of the mother of Chand Roy and Kedar Roy, is based upon the modern inscription, which was put up over its door, when it was repaired in 1896. Another tradition says that it was a temple, enshrining a Mahadeo. Chand Roy and Kedar Roy were contemporaries of Akhar, and belonged to the Barah Bhuiyas, those independent chiefs who raled over Eastern Bengal before it became annexed to the Moghul Empire.

L.-DISTRICT MYMENSINGH.

51. The Atic ruiss .- As I have already in my letter No. 37, dated the 29th April 1902, submitted a detailed account of the ruins at Atia in the Tangail subdivision of the district of Mymensingh, I need here only repeat the principal facts. The big mosque at Atia was built by Said Khan, the son of Bayazid Khan, an Afghan of the Pani clan, in the time of Jahangir. The date of its inscription corresponds to 1609-10 A.D. When it had fallen into ruins, some person began to build another smaller mosque close to it. But as soon as Raushan Kharun Chaudhurani came to hear of this, she decided upon restoring the old mosque, and the second smaller mosque accordingly never was finished and has never been used. The inscription on the tomb of Shahinshah Baba Adam Kashmiri tells us that heldied on the 14th October, 1507 A.D. He is called merely Baba Kashmir in this record, which, however, must be a mistake for Baba Kashmiri, as it is an impossible form. Close to it stands an old mosque of the Bengali style, which, according to the local tradition, was built by Ghiyasuddin Azam Shah. A ruined brick tomb in front of this mosque is pointed out as the burial place of this Sultan, a tradition, which, as I have already remarked in paragraph (49) of this report, deserves no credit whatever.

The buildings at Atia are from time time repaired at the cost of the bilduar and Karotiya samindars, the owners of the land, but they might be called upon to do some further repairs to the big mosque, portions of which

are at present in a bad state.

PART III .- NOTES ON ANCIENT REMAINS INSPOTED BY BABU P. C. MUERRIEE.

52. General remarks.—Up to November 1901 the Babu travelled in the Patna Division. He then went to Bhagalpur, and hereafter visited various places in the Burdwau Division and in the district of Balasore. On the 13th March 1902 he joined the office of the Director General of Archaeology in India. As his tours brought him to many places which have later on been visited by myself and which have been described in Part II of this report, I shall here merely give some notes on such places as I have not yet seen myself. They are extracted from a final report which the Babu submitted to me on the work done by him during the last year. The discovery by him of a new inscription at Gaya has already been referred to previously.

53. Bawangarh, Tilkesvar, and Kalhua Hill.—Bawangarh is a place in the north of the district of Champaran. Extensive lines of earthen walls are seen here running paralled to each other and covering the sites of several villages. The citadel itself at Rajpur Soreri is of a rectangular form. Remains of houses and wells, both of brick and stone construction, are found here. At Tilkesvar, in the district of Darbhanga, the Babu found three Sanskrit inscriptions, the characters of which resemble the modern Bengali script. The remains on the Kalbua hill, in the district of Hasaribagh, are almost exclusively

Jain sculptures; but there exists a temple with an image of Mahiemardini, which is now worshipped under the name of Kulesyari. The Babu found no Buddhist remains there.

54. District Biagalpur.—At Barari the entrance of one cave is blocked by the gate falling, while that of the other is almost choked up for the same reason. At Kahalgaon and Patharghata the rock sculptures, temples, and caves should be cleared of rank growth, trees, and rubbish and regularly be looked after. At Sultauganj the materials of the monastery were excavated and removed, while the coating of the stupe is peeling of. The rock sculptures

on the Jahngira island require to be looked after.

55. Barakar, Katrasgarh, Bankura, Vishnupur, and Garbheta.—These places are all in the Burdwan Division. The four stone temples at Barakar are not in a bad condition, but the trees should be uprooted. One of them has an inscription in an ancient form of Bengali. At Khatrasgarh is a mediseval temple, but it is reported to be of no interest. The stone temple of Ektesvar, near Bankura, is in a dilapidated condition. The temples at Vishnupur are said to range from 900 to about 1750 A.D. Nearly all the temples exhibit elaborate ornamentations and reliefs, chiefly scenes from the life of Krishna. The only temple of note at Garbheta is that known as Sarva-Mangala. It is built of laterite in the Orissan style, and is in good condition.

56. District Balasors.—The principal remains at Balasore are the old.

56. District Balascre.—The principal remains at Balascre are the old Dutch and English tombs, which are in good order. The Qadam Rasul and Juma Mosque, built by Taki Khan during the reign of Aurangzeb, are maintained by the local Muhammadans. There are some ancient Buddhist statues lying in the Municipal compound. Hindu temples, generally built of laterite, in the Orissan style, are reported from several places. The most interesting part of the temple at Karnagarh is the three-storied western gate called Jogi Gophs. The temple at Danton is known by the name of Shyamalesvara. The Sahasralinga temple at Shestini is reported to be in a very dilapidated state, while the temples at Kupari are said to be beyond the possibility of conservation. Ruined forts with laterite walls are reported from the following places:—

Gope, Rai-Baniagarh (ascribed to an ancestor of the Raja of Mourbhauj),

Chandrasekhargarb, and Dolgram.

57. Salgaon and Bansbaria.—These places lie in the district of Rooghly.
The three domes of the mosque at Satgaon have fallen in, and the whole is covered with jungle. The Hansesvari Temple at Bansbaria is of the mixed Henares style, and covered with thirteen cupolas. There is a second temple with brick ornamentation, of the style of the Vishnupur temples.

T. BLOCH,

Archaeological Surveyor, Bengal Circle.

REPORT ON THE ADMINISTRATION OF THE SALT DEPARTMENT DURING THE YEAR 1901-1902.

1 DIMPALE The 6th September 1902 .- The following extracts from the Report of the Board of Revenue on the administration of the Salt Department in the Lower Provinces during the year 1901-1903, are published for general information.

E. W. COLLIN,

Offg. Secy. to the Govt. of Bengal.

No. 951B., dated Calcutta, the 8th August 1902. From-H. WHEELER, Esq., Secretary to the Board of Revenue, L. P., To-The Secretary to the Government of Bengal, Financial Dept.

I am directed by the Board of Revenue to submit the following Report on the administration of the Salt Depart-THE HON'DLE MR. BOUNDILLON, CALL. ment during the year 1901-1902.

CHAPTER I .- PRELIMINARY.

3. The Indian Salt Act, XII of 1882, continued to be the salt law in force in Oriesa. Outside that area in the districts Bult Law. of the 24-Parganas, Khulna, Midnapore, Howrah, Backergunge, Noakhali, and Chittagong that Act, and Act VII (B.C.) of 1864. remained concurrently in force.

4. In January 1902, the district of Howrah, which, with Noakhali, had been brought within the scope of preventive operations in March 1901, was added to the charge of the Assistant Commissioner of Salt. No active measures have as yet been taken in Noskhali, but inquiries will shortly be made with a view to operations being started.

In accordance with the Government of India's order No. 3525S.R., deted the 14th July 1900, the saltpetre refineries in Calcutta and its environs were brought under the control of the Commissioner of Excise and Salt, Bengal, with effect from the 1st July 1901, the Assistant Commissioner (Mr. S. G. L. Platts) taking charge of them from the Assistant Commissioner of the Lower Division, Northern India Salt Department, on that date.

In Khulna, preventive operations, which is the previous year had been confined to the Kaliganj thana, were extended to thanas Assauni, Paikgacha and Baitaghata. In Chittagong, three Sub-Inspectors' ranges covering the salt areas of the district, with head-quarters at Sitakund, Cox's Bazar, and Teknaf, were formed with effect from October 1901, and the salt staff was reinforced by the addition of three Sub-Inspectors, four petty officers, and 26 peons from Orisia.

CHAPTER IL-STOCK, IMPORTS, MANUFACTURES, AND CLEARANCES.

7. The stocks, imports, clearances, &c., for Assounts of stocks and insues. the years 1899-1900 to 1901-1902 are shown below:-

Втоска, Імгонта, ф	D.	1899-1900.	1900-1901.	1901-1902.
Total of all stocks at the com of the year.		Mps. 82,62,652	Mps. 31,54,855	Mos. 18,09,668
Total quantity imported or me during the year.	nufactured	1,07,81,024	89,38,306	1,33,89,568(4)
	lotal	1,40,43,676	1,20,88,160	1,46,99,031
Quantity on which duty was	paid during	1,07,72,858	1,06,20,120	1,09,68,478(6)
Quantity which passed free of manufacture of glazed stone	of duty for	1,760	4,168	1,489(0)
Quantity written of during t		1,14,203	1,64,204	1,20,168
wastage or otherwise.	Total	1,08,88,821	1,07,78,492	1,10,80,067
Balance at the close of the year	E	31,54,855	13,09,668	36,18,964

Includes 374 maunds found in oversies in polar and 103 maunds surplus from bond, limited on 40,825 maunds of Bombay and Madres sait passed free of duty.

Includes 450 manager mad for others, at the contrast of the contrast

At the commencement of the year stocks had fallen abnormally low; the quantity of salt in all the golas, both public and private, amounted to a little over 13 lakhs of maunds only, or nearly 183 lakhs of maunds less than in the preceding year. The importations during the year were, however, unusually large, and totalled nearly one crore and 34 lakha of maunds. Since the year 1898-99 there has been no local manufacture of salt. The sales amounted to ever one crore and 91 lakes of maunds, and after allowing for wastage, the closing balance stood at 36;18,964 maunds. In addition, at the close of the year, there were 2,06,049 maunds of salt lying affoat in ships in the port of Calcutta ready to be sold direct to purchasers, against 1,63,267 maunds at the close of 1909-1901. At Chittagong 57,169 manude of salt were lying affoat for discharge into bond at the close of the

The Collector of Customs, Calcutta, preports that the importations for the year and the quantity bonded gere the highest on record. The increase in the importations was due to freight being cheap and plentiful in comparison with the previous year. Steamers have almost entirely superseded sailing ships in the general trade of Calcutta and in the salt trade in particular, and as it is always necessary for a steamer to obtain a quick despatch, a very large proportion of the salt imported was delivered into bond. In consequence, the accommodation at both the Sulkea and Kidderpore golas was rapidly filled up, and much difficulty was experienced in providing the bonding space required by the trade. The Board are satisfied that increused space for storage is needed at Sulkea, and proposals to that offect have been submitted.

8.

 The importations into Calcutta advanced during the year by 49 5 per cent. The major portion stall comes from the United Kingdom, though its former more extensive monopoly is being encroached upon by other competi-

tors. The imports from Aden and the Red Sea are increasing rapidly, and as these salts do not have to pay the Canal dues, they compete on favourable terms with salt imported from Europe. Salt was imported for the first time from Port Said, of similar quality to the karkatch salts from Aden and the Red Ses, but as the steamers importing it have to pay the Canal dues, the Collector of Customs doubts whether it will be able to compete with the other karkatch

Taken in conjunction with the large increase during the year in the operations at the Sulkea and Kidderpore golas, which is noticed below, it is obvious that the larger importations involved a considerable addition to the work of the Preventive Salt establishments in Calcutta. The Collector of Customs reports that salt was discharged from shipboard into bond on no less than 269 nights during the year, and this alone entailed much extra labour. As much as 700,000 tons of salt were weighed under official supervision— 475,000 tons on boardship, and 225,000 tons at the golas. The low rate of wastage and the results of check re-weighments testified generally to the accuracy of the work done.

The importations into Chittagong show an advance of 70 per cent. compared with those in the preceding year. No reason has been assigned for this increase, but it is believed that, as in Calcutta, it was largely due to freight being easily and cheaply procurable.

The total quantity of imported salt sold increased by 1'4 per cent. Of this 32 per cent. Sales of imported salt from was sold from shipboard and 68 per cent. from bond. The corresponding proportions in the preceding year were 27 and 73 per cent. In Calcutta although sales from the importing vessel direct increased by 18 9 per cent., there was a decrease of 10 per cent. in the sales from bond. The increase in the total sales at Narayanganj and Jhala-

10. The following figures show the total Transactions in the Sulkes and Kidderpore Dock gelms. turn-over at the Sulkea and Kidderpore Dock golus for the past five years :-

kati is noticeable, amounting to as much as 18 and 71 per cent., respectively.

				Mds.
1897-98		014	***	1,03,91,078
1898-99	414	Pen.	***	1,08,84,957
1899-1900	640	***	***	1,18,87,469
1900-1901	114	414	149	1 21,04,848
1901-1903	140	177		1,49,52,131

The figures for the past year were the highest ever recorded. The total turn-over at the Sulkes golas was 99,70,762 maunds against 81,09,104 maunds in the preceding year. At the Dock golas it was 49,81,369 maunds against 39,95,239 maunds. The increase in the work which these figures connote has already been referred to.

11. Licenses were issued for three additional private warehouses during the year. * * Twenty-one warehouses in all were open at the close of the year.

The quantity of salt despatched to these inland bonded warehouses from shipboard and from bond in Calcutta amounted to 13,53,091 maunds, as compared with 10,43,871 maunds in 1900-1901, an increase of over 29 per cent. The preceding year had shown an increase of 25 per cent. as compared with 1899-1900, and it would seem that this branch of the salt trade is steadily and rapidly growing in popularity. The quantity of non-duty-paid salt removed during the year from shipboard at Chittagong for clearance at Narayanganj shows an increase of 3,505 maunds, or over 25 per cent., as compared with the preceding year, but this was far from compensating for the very large falling off during 1900-1901.

13. The following statement shows the proportion of duty-paid salt conveyed by the various means of transport from Calcutta inland, as well as to Oriesa, during the past two years:—

Period.	By boats.	By steemers and flats.	By rail,	Total despatch.
1900-1901 1901-1902	 Mds. 26,17,561 24,87,009	Mds. 12,68,554 10,56,190	Mds. 55,23,274 64,41,580	Mda. 93,49,389 99,94,779
	-1,30,652	-1,42,364	+9,18,808	+ 6,45,390

The quantity carried by boat decreased by 4.9 per cent., and that sent by steamers by 11.7 per cent. The quantity conveyed by rail, however, increased by 16.62 per cent. Of the aggregate quantity despatched from Calcutta, 24.8 per cent. was conveyed by boats, 10.6 per cent. by steamers and flats, and 64.4 per cent. by rail, as against 27.9, 12.9, and 59.07, respectively, during the preceding year. It would appear that the railways are steadily attracting the traffic to the deteriment of other means of transport. The opening of a pass station at Shalimar in February 1902, since when it is possible to convey talt to Orissa by the Bengal-Nagpur Hailway, will increase this tendency.

14. There was no manufacture of salt during the year on the Ohilks

Lake in Orissa. The total quantity of salt in Blocks and larges of locally- hand at the Tus and Gurubai factories at the beginning of the year was 3,16,944 maunds, inclusive of a wastage of 3,530 mannds remaining to be written off at the close of the previous year. To this have to be added 54 maunds of salt found in excess in a heap at the Gurubai factory, making the total stock 3,16,998 maunds. Of this quantity, 2,25,114 maunds were sold (1,31,654 maunds for consumption in Puri, 91.988 maunds in Cuttack, and 1,494 maunds outside the Province), against 84,887 maunds in the previous year; 21,320 maunds were written off as wastago, leaving a balance of 70,562 maunds at the close of the year. Deducting from this balance a further wastage of 13,017 maunds, which remained to be written off, the actual balance stood at 57,545 maunds. This was finally disposed of by the 23rd May 1902. The largely increased sales were due to the reduction of the wholesale price to half-an-anna a maund, which was done with the object of effecting an early clearance of the stocks in hand. It will be seen that this result was achieved within a far shorter period that was anticipated in the report of the preceding year.

Imports of Medras salt into

15. The imports of Madras karkatch and refined salt into Orissa from the different factories.

Name of feelory ?	rom which	s the	Questly in	ported in-	T	District
salt was in	ported.		1900.1901.	1991-1972.	(sporesses	Decrease,
Ganjam Naupida Sarara Jacapaikpur Other factorise in other places.	Cospeeds	,;; ;;; exid	J. Hda. 5,10,600 1,64,494 9,384 31,073 1,48,476	1. 1dda. 2,04.777 1,57,044 1,02,100 30,644 0,078 1,10,686	1. Mda. 1,00,011 11,008	I. 81 dn. 1.06,185 13,050 In. 0da 18,602
	Total		6,99,915	6,90,099	1.80,920	1,03,19

as shown on the margin, amounted to 6,90,989 maunds, against 6,92,918 maunds in the preceding year, showing a decreuse of 1,929 maunds, or '2 per cent. The factories at Surla and Karasa showed an aggregate increase of 1,80,270 maunds, while those at Ganjam, Naupada, Jagannaikpur, Coconada,

and other places exhibited a total decline of 1,62,199 maunds, resulting in a net

decrease of 1,929 maunds.

The result is, perhaps, due to circumstances of temporary application only. The imports into the districts of Cuttack and Balasore showed an aggregated advance of 1.03,815 maunds, and it was the decrease of 1,05,744 maunds imported into Puri and the Tributary Mahals, which more than counterbalanced what would otherwise have been a large increase. In Cuttack it is said that foreign-imported salt has been driven from the market, and the results in Puri are mainly due to the abdormally low price at which the old stocks of Lake salt were offered to the public. The decrease in the Tributary Mahals is not easily accounted for. The Commissioner of Salt anggests that a portion of the increased supplies to the district of Cuttack found their way into the Tributary Mahals, there had also been a large increase in the importations into the latter area during the preceding year, and it is possible that there were old stocks in hand.

CHAPTER III.—CONSUMPTION AND PRICES.

16. The total quantity of sait which passed into consumption in the entire Province of Bengal during the year under review Consumption in Bengal. was 1,04,31,438 maunds. This is exclusive of 5,45,011 maunds, being the net exports by land, and inclusive of 17,974 maunds educed from saltpetre. The figures show an increase of 2,03,937 maunds, or 1.9 per cent. Of the total quantity the saliferous tracte (including the whole of Orissa) took 19,54,457 maunds, or about 19 per cent., and the rest of the Province 84,76,981 maunds, or 81 per cent. The consumption per head in the saliforous tracts works out to a little over 6 seers, or 12 34lbs approximately, and in the rest of the Province to 5 seers and 3 chittaks, or 10 67lbs. The figures are, at best, approximate only; in the first place, they assume that the unconsumed stocks of the previous year, which were consumed during that under report, were equal to the balance in hand at the end of the year under review. Again it is assumed that the salt is consumed in the district to which it is registered as despatched. In the saliferous districts in which illicit manufacture is easy, it would certainly have appeared probable that the recorded consumption of licit salt per head of the population would have been less than elsewhere. The figures, however, convey the opposite impression, but it is to be borne in mind that the arrangements for the record of consumption within the salt law limits are more complete than in the districts

The rates of consumption per head of population in the Bombay and Madras Presidencies for 1901-1902 have not yet been ascertained, but during the preceding year they were 11.88lbs. and 15.84lbs., respectively.

During the year 1900-1901 the reported consumption of salt within salt law limits rose from 8,42,529 Consumption of salt within the to 8,51,271 maunds, and in the year under report it has still further increased by 15,902 maunds.

There was an advance in consumption in all the saliferous districts, with the exception of Howrah and Noakhali, but it was largest in the districts of the 24 Parganas and Chittagong. Judging by the population test, however, the districts of Howrah and Backerganj show the best results and the district of Noakh ali the worst.

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21. • • • • In most of the districts, as in the previous year, prices advanced during the year under report. The rise in price recorded at in Darjeeling is very marked, and special enquiry will be made as to the

reason. Prices ruled lowest at Puri. The average wholesale price for the whole Province was Rs. 3-12-9 per maund, as compared with Rs. 3-11-7 in 1900-1901, showing a rise of one anna and two pies. Except in Pabna and Cuttack, the average price of salt per maund, in the principal provincial bazars, was generally higher than in the preceding year. The average for the twelve marts for which figures are queted, was Rs. 3-11-9 per maund against Rs. 3-10-4 in 1900-1901, showing an increase of one anna and five pies per maund.

The average wholesale price of Liverpool salt per hundred maunds as sold from the ship's side in the port of Calcutta, exclusive of duty, amounted to Rs. 69-11-5, as compared with Rs. 70-3-1 in 1900-1901, showing a decrease of only seven annas and eight piec. Considering the rise last year from Rs. 62-4-11, the fall is insignificant, and in view of the large importations it might have been expected that prices would have declined still further. It is also noticeable that the extension of the inland bonded warehouse system does not so far appear to have had much effect in cheapening salt in the interior of the province. The solling price of Liverpool salt per hundred maunds, exclusive of duty, which in 1900-1901 varied from Rs. 77-12-4 to Rs. 60-1-10 ranged in the year under report from Rs. 70-5-8 to Rs. 57-4-6.

CHAPTER IV .- PREVENTIVE MEASURE.

22. Preventive operations outside Orisea were carried on as before, in the districts of the 24-Parganas, Midnapore, Khulna, Preventive operations in the Backergunge, and Chittagong. In Midnapore, as seliferous districte outside Orissa. aiready stated, the retention of the temporary staff has been extended for an additional period of three years. The district of Howrsh was brought tentatively within the scope of operations, and a small party from the Tamlak circle, in the district of Midnapore, was sent in January 1902, to work in the Syampur and Ulubaria thanas of the Howrah district. The experience of the past two seasons having shown that illicit manufacture does not prevail to any appreciable extent in the district of Backergunge, preventive operations there have been discontinued since the close of the year. The proventive staff has been disbanded, with the exception of the Inspector whom it is proposed to depute to Noakhali to ascertain and report on the steps to be taken and the establishment required, in order to commence preventive operations in that district during the next working BORSOD.

23. The number of cases in which salt was attached, released, and confiscated during the year under review were 929, 12,
Attachments, releases, and consecutions in the saliterous districts, including Orissa.

Attachments, releases, and consecutions in the saliterous districts, in the previous year, the corresponding quantities of salt being 884, 546 and 150 meaning against 240.

of ealt being 684, 546 and 150 maunds against 640 45, and 548 maunds in the year 1900-1901. There was thus an increase of 44 maunds, or 6.8 per cent., in the quantity attached, and a decrease of 898 maunds, or 72.6 per cent., in the quantity confiscated. On an average shout 29½ seers of salt were attached and 6½ seers confiscated in each case, as against 24 seers, and 22½ seers, respectively, in 1900-1901.

Number of seizures and unsuccessful house-searches during the year under review were 1,491 and 42, respectively, as against 794 and 17 in the previous year. There were no unsuccessful house-searches in the districts of Puri and Khulna, while in the districts of the 24-Parganas, Midnapore, and Chittagong the number of failures was insignificant in comparison with the number of seizures effected. In the districts of Balasore and Cuttack the numbers were 20 and 14, respectively; the owners of the houses are said to have learned of the intended search and to have destroyed all illicit articles. The general percentage of unsuccessful house-searches to seizures exhibits a slight increase, having rison from 2-14 in the previous year to 2-81 in the year under

report. In the year 1890-1900, however, it was as much as 4.1.

25. There were 1,238 prosecutions during the year under review, against 898 in the previous year: out of 1,400 persons arrested and brought to trial, 1,174.

Elication of 1,400 persons arrested and brought to trial, 1,174.

Elication of 1,400 persons arrested and brought to trial, 1,174.

Cases of illicit manufacture of salt (section 9, Act 24 Parganas XII of 1882) numbered 953, and were most numerous in the districts marginally noted. The proper-106 tion of persons convicted of this offence was 80 per cent. of those brought to trial. In the districts of Chittagong and the 24-Parganas the increase is attributed to greater activity on the part of the salt officers, to the provision of a steam launch in the 24-l'arganas, and to the strengthening of the salt force in Chittagong, which was for the first time employed throughout the year. There were no cases of possession of spontaneous or swamp salt during the year. Owing to the failure of the police to attend house searches, about 50 cases in the 24-Parganas and 42 cases in Midnapore are reported to have broken down. To prevent a repetition of these fiascos, the sanction of Government has been obtained to the appointment of nine special police head constables in Midnapore. Similar arrangements in the 24-Parganas are under the consideration of the Salt Commissioner. Salt officers were instrumental in the detection of 39 opium cases also, as compared with 37 is the preceding year. No cases under the Excise Act were reported by them.

CHAPTER V.-FINANCIAL RESULTS.

Receipts and charges.

The financial results of the year, as compared with 1900-1901, show an increase of Rs. 5,83,954, or 2.3 per cent. in the receipts and an increase of Rs. 42,099, or 9.02 per cent. in the charges, giving a net revenue of Rs. 2,55,21,299, which is in excess of that obtained during 1900-1901 by Rs. 5,41,855, or 2.2 per cent. The increase in receipts occurs mainly under the two heads of Import and Excise Duties on Salt.

CHAPTER VI .- MISCELLANEOUS.

Trade in saltpetre.

Trade in saltpetre.

Trade in saltpetre.

Trade in saltpetre.

Trade in saltpetre.

Trade in saltpetre.

payment of duty during the year, was 17,974 mannds, as compared with 17,584 maunds similarly removed in 1900-1901. The quantity of refined saltpetre produced in the refineries in Calcutta was 50,571 maunds, as compared with 61,924 maunds, and the quantity of salt educed was 5,584 maunds, against 3,486 maunds in 1900-1901. The quantity of salt excised was 2,360 maunds in comparison with 4,740 maunds in the preceding year.

38. In Midnapore there were six cases of assault on Salt officers, one in cach of the thanas Khedgree, Contai, Dantan, and Offences against officers of the Egra, and two in thana Mohisadal. In the case all Nasalla Chak hat, in thana Khedgree, five men were charged under section 147 of the Indian Penal Code, all of whom were convicted, one being fined Rs. 100 and the rest Rs. 60 each. In the case in thank Contai, three men were charged under sections 114 and 353 of the Indian Penal Code, but all were acquitted for want of sufficient evidence. In the case in thana Dantan nine men were sent up under sections 353 and 147 of the Indian Penal Code, all of them being found guilty and sentenced to different terms of imprisonment, while in the two cases in thanas Egra and Mohisadal all the accused, except one, were fined. Another case in the Mohisadal thana is pending trial. * * * * The Commissioner of Salt reports that in all the districts the attitude of the people towards the Department is hostile, but cases of active resistance are becoming scarce in the districts of the 24-Parganas and Chittagong.

WEATHER AND OROP REPORT

For the week ending the 15th September 1902.

Burdwan.—Rainfail at Sadar 188, Kalna 352, Katwa 208, Raniganj 280. Weather fine and hot. Transplantation of aman nearly finished. Weeding commenced. Harvesting of ass continues. Fodder and water sufficient. Condition of cattle good. Common rice sells at 11 secre per rupes.

Birbhum.—Raiofall at Sadar 7.67, Rampur Hat 7.95. Weather cloudy. Rampur Hat subdivisional officer reports that considerable loss to property and some lives have been caused by recent floods. Several villages destroyed. Common rice sells at 12 seers per rupes. Folder sufficient.

Bankurs.—Reinfall at Sadar 3.85. Paddy and sugarosne crops doing well. Fodder and water sufficient. Common rice sells at 12 seers per rupee.

Midnapore.—Rainfall at Sadar I 33, Contai 1 73, Ghatal 5 24, Tamluk 5 23. Weather hot and cloudy. Harvesting of aus continues. Agricultural prospects good. Fodder and water sufficient. Cattle-disease reported from Binpur thans. Common rice sells as follows:—

				Srs.	oh.	
Sadar	***	***	8.64	12	8	1
Contai	***	5 T F	914	12	0	per rupes.
Tamluk	441	**1	*11	11	0	Par tupeon
Chatal	***	104	41+	12	12	1

Hooghly.—Rainfall, at Sadar 3.48, Serampore 4.78, Arambagh 3.05. Weeding of aman, harvesting of am and steeping of jute going on. Prospect of standing crops good. Weather seasonable. Fodder and water sufficient. Common rice sells as follows:—

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Seder ... 10 0 Berampore ... 10 4 per rupes.
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Howrsh.—Rainfall at Sadar 2-92, Ulubaria 1-64. Fall general. No more rain wanted for next 6 or 10 days. Transplantation of aman paddy still going on. Heaping of assatill continues; its threshing and the cutting and steeping of jute going on. Sugarcane and vegetables are doing very well. Fodder and water-supply sufficient. No eattle-disease. Common rice sells on an average at 11 seers per rupes everywhere within the district.

24-Parganas.—Rainfall at Sadar 2.65, Barasat 1.22, Basirbat 3.01, Diamond Harbour-1.26. Weather het and cloudy with moderate showers. State and prospect of crops good. Ass and jute still being harvested, and the latter being steeped. Transplantation of again nearly finished. Common rice sells at 11 seers per rupes. Condition of sattle good. Supply of folder and water sufficient.

Nadia.—Rainfall at Sadar 3.84, Ranaghat 4.03, Chuadenga 5.44, Moherpur 8.50, Kushtia 3.16. Harvesting of jute continues. Prospects of standing crops good. No cattle-disease reported. Fodder and water sufficient. Common rice sells as follows:—

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Bedar ... 12 0
Renaghet ... 11 0
Chundanga ... 11 0
Mehorpur ... 13 5
Kushtia ... 11 4
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Murshidahad.—Rainfall at Sadar 9-19, Kandi 5-40, Jangipur 6-23, Lalbagh 7-25. Weather seasonable. Harvesting of bhatoi almost completed. There was a severe flood of the Kana Nadi and More river in Kandi subdivision. Jute being cut and steeped in Jangipur. Sugarcane doing well. No eattle-disease. Fodder and water sufficient. Common rice sells as follows:—

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Sadar ... 11 8
Kandi ... 13 0
Jangipur ... 12 0
Lalbagh ... 11 0
```

Jessore.—Rainfall at Sadar 3-72, Jhenida S-54, Magura 10-07, Narail 6-46, Bangaon 2-74. Weather seasonable. Prospect of crops fair. Harvesting of cus almost completed. Rain has improved prospect of course paddy. Fodder and water sufficient. Cuttle-disease reported from Salikhia outpost in Magura and Kalia in Narail. Common rice sells at 12 sears per rupes.

Khulua.—Rainfall at Sadar 3:41, Bagerhat 1:57, Satkhira 6:60. Weather seasonable. Transplantation of anim still continues. Boro maturing well and an average crop expected. Folder and water sufficient. Cattle-disease reported from Paikgaobha and Fakirhat. Common rice sells as follows:---

Brs. ch. ... 11 12 ... per rupes. Bagerhat Satkhira

Rajshahi.—Rainfall at Sadar 5 96, Nator 3 51, Naugaon 4 93. Prospects of standing erop good. Harvesting of jute and an continues. Transplantation of aman nearly finished. Common rice selling at 12 cears per rupee.

Dinajpur.—Rainfall at Sadar 3.80. Fall in the district general, varying from 2.98 to 8.21. Weather seasonable. Standing crops good. Steeping of jute continues. Cattle-disease to small extent reported from Kaliaganj. Fodder and water plentiful. Bice selling at 12

Jalpaiguri. - Rainfall at Sadar 20.63, Alipore Duars 11.33. Weather rainy with high wind during the first four days. Harvesting of bhadoi paddy nearly finished. Steeping of jute going on. Haimanti paddy doing well. Prospect favourable. Common rice sells at 11; seers a rupec. Fodder and water sufficient.

Darjeeling.—Rainfall at Sadar 11:64, Kurseong 17:75, Siliguri 13:28. Weather seasonable. Hills-Bhadoi, haimunti dhun, maize, bara and chhota murua doing well. Terni-Transplanting of haimenti paddy nearly finished. Reaping of jute and bhadol paddy going on. Prospects good. Coarse rice sells as follows:—

Bre. ch. 9 0 ... 10 0 per rupes.

Maize sells at Darjeeling at III seem and at Kalimpong at 34 seems per rupes,

Rangpur.-Rainfall at Sedar 7'32, Gaibanda 2'29, Nilphamari 5'84, Kurigram 7'26. Weather cloudy and hot. Transplantation of aman, cutting and steeping of jute going on. Harvesting of bhados nearly finished. Folder and water sufficient. Common rice sells as follows: -

> Srs. ch. 9 8 Badar 10 Gaibanda 0 ... 12 0 per rupee. Kurigram 141 Nilphamari 10 8

Bogra. - Rainfall at Sadar 4-63. Fall general. Harvesting of aus and transplantation of amos nearly finished. Steeping of jute going on. Outturn of jute estimated to be 70 per cent. Fodder and water sufficient. Prospects fair. Common rice sells at 12 seers per rupeo.

Pabna,-Rainfall at Sadar 3-12, Sirajganj 5-05. Weather cloudy and rainy. Henvy showers general. Prospects of aman and sugarcane fair. Fodder sufficient. No cattle-disease Common rice sells at 10 seers per rupee.

Dacca.—Rainfall at Sadar 5-2, Manikganj 11-41, Munshiganj 7-17, Narayanganj 5-89. Prospects of crops fair. Westher seasonable. Fodder available. No cattledisease. Common rice sells at 11 seers per rupes.

Mymensingh.—Rainfall at Sadar 406, Jamalpur 203, Kishorganj 271, Tangail 418. Weather seasonable. Steeping of jute and transplantation of aman continue. of ane finished, its outturn estimated at 80 per cent. Fodder and water sufficient. No outtledisease. Common rice sells as follows: 5-

> Brs. oh. ... 12 0 Bader Kishorganj 410 404 --per supee. ... 11 6 1114 +++ Tangail ... 10 4 444

Faridpur.—Bainfall at Sadar 2.95, Goalando 3.50, Madaripur 5.62. Weather sultry with occasional rain. Prospects of amon paddy good. Fodder available in sufficiency. Condition of cattle good. Water aufficient. Common rice salls at II seems the rupce.

Backergungs.—Rainfall at Sadar 4-09. Fall general. Weather seasonable. Transplantation of aman continues. Prospects fair. Cattle-disease in thank Mathari. Folder sufficient. Common rice sells at 134 secre (see) and 12 secre (sman) at Sadar; at Bhola 11 seers (aus) and 9 seers (aman) per rupes.

Tippers.—Rainfall at Sadar 1:64, Brahmanbaria :41, Chandpur 11:53. Weather seasonable. Prospects of standing crops good. Reaping of jute and transplantation of puldy not yet completed. Fodder and water sufficient. No cattle-disease, Common rice sells at 14 seem per rupeo.

Hoskkali.—Rainfall at Sadar 4:28, Feni 2:68 Harvesting of aus and transplantstion of amas still continues. Prospects fair. Cattle-disease at Sudharam. Water sufficient. Folder not so. Common rice sells at Sadar at 11; seems and at Foni at 13 seems per rupes.

Chittagong.—Rainfell at Sadar 2-26, Cox's Bazar 11-80. Resping of ans dhan is finished. Transplantation of amon dhan is still going on. Water and fodder sufficient. Common rice selling at 12 seers 11 chitaks.

Chittagong Hill Tracts.—Rainfell 2.50. Weather fair. Joon harvesting and sowings of winter rice continue. Prospects of cotton and rape crop had owing to too much rain and too little sunshine. Common rice sells at 12 seers per rupee.

Patna.—Rainfall at Sadar 10.20, Barh 8.75, Bihar 2.04, Dinapore 4.08, Hiles 4.27, Bikram 4.52. Weather cloudy. Rainfall proved very useful, but more wanted. Harvesting of Indian-corn progressing. Aghasi prospects improved. Transplantation of paddy continues. No cattle-disease. Fodder and water sufficient. Common rice sells as follows:—

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Patra ... ... ... ... ... ... ... 12 0
Bibar ... ... ... ... ... ... 10 0
Dinapore ... ... ... ... ... ... 12 4
Bath ... ... ... ... ... ... 11 12
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Gays.—Rainfall at Sadar 534, Jahanehad 495, Aurangabad 641, Nawadah 2-25, Weather seasonable. Transplantation of paddy over, except in the Nawadah subdivision. Harvesting of the bladei crops commenced. Sugarcane doing well. No cattle-disease. Fodder and water ample. Average price of common rice is 102 seems per rupec.

Shahabad.—Reinfall at Sader 1.23, Buxar 2.50, Bhabhus 3.48, Sasaram 2.41, Dehri 2.93. Weather hot and cloudy. Harvesting of bhadot continues. Prospects of paddy and sugarcane good. No cottle-disease. Rice sells at Sadar at 11 sees a rapec.

Saran.—Rainfall at Sadar 5.59, Siwan 4.01, Gopalganj 6.75. Weather rainy and cloudy. Rainfall has been general and has proved most beneficial to agricultural operations. Standing crops doing well. Fodder and water sufficient. Cattle-disease reported from one village. Common rice sells at 121 sears per rupes.

Champaran.—Rainfall at Sadar 4.73, Bettiah 5.09. Weather hot and cloudy. Harvesting and threshing of blades crops going on. Outturn of maise estemated at 110 per cent. Transplantation of aghans rice fluished. Sugaroane doing well. Little cattle-disease. Fodder and water sufficient. Common rice sells at 14% seems and maise at 22 seems per

Muraffarpur.—Rainfall at Sadar 2.25, Hajipur 4.11, Sitamarhi 1.69. Weather aloudy generally. Transplantation of paddy nearly finished. Harvesting of bhadoi crops continues. Prospects fair. Fodder and water sufficient. Prises are —Common rice 114 seers, maise 22 seers a rupes.

Darbhanga.—Rainfall at Sadar 1.67, Samastipur 9.18, Madhubani 3.89. Transplantation of paddy is still going on. Harvesting of bhadoi in progress. Folder and water sufficient. Cattle-disease is reported from Warismagar and Samastipur thanse. Common rice salls as follows:—

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Sadar ... 12 8
Samastipur ... 13 0
Madhubani ... 11 11
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Monghyr.—Rainfall at Sadar 5'22, Begusarai 4'51, Jamui 4'25. Weather hot and cloudy. Reaping of bhadoi crops and makai harvesting continues. Paddy benefited by rain. Sugarcane doing well. Fodder and water sufficient. No cattle-disease. Common rice sells as follows:—

			CALLEY.	LULL	
Sadar	141	***	 - 11	8)
Begusarai Jamui	141	· · · · · ·	 12	.0	per rupee.
Jamui	***	111	 - 11	0)

Bhagalpur.—Rainfall at Sader 1.94, Banka 2.06, Madhipura 4.83, Supaul 5.16. Weather cloudy. Prospects of aghani continue fair. Harvesting of marua and bhadoi paddy going on. Transplantation of paldy completed. Sowing of kurthi commenced in Banka abdivision. Sporadic cases of cattle-disease. Fodder and water sufficient. Common rice pells as follows:—

				Dim. out.
Sadur	442	441	111	11 6)
Banks	114	1-9	444	13 10
Madhipura	bes	411	141	18 0 per rupes.
Bupeni	***	Fee	119	15 0]
- 4				4 -

Purnen.—Rainfall at Sadar 6-14. Kishanganj 4-15. Araria 5-25. Fall general. Weather variable. Bhadei dhan and jute are being harvested. Cattle-disease reported from Palasi outpost. Fodder and water sufficient. Common rice sells at Sadar and Kishanganj at 11 seem and at Araria at 14 seems per rupee.

Malda.- Rainfall at Sadar 3-52, Chanchal 6-70, Sibganj 4-86, Gajol 6-04. Fall general. Weather hot and cloudy. Plants of winter rice thriving. Prospects good. Huvesting of brades not yet completed. Outling of jute still continues. No cattle-disease. Fodder and water sufficient. Common rice sells at 124 seems per rupoe.

Southal Parganas. Rainfall at Sadar 9.51, Deoghur 2.90, Godda 4.15, Jamtara 5.98, Paksur 8.03, Rajmahal 4.84. Weather rainy but hot. Prospects of aghani good. Standing crops doing well. Transplantation of rice over. Hervesting of makel continues. Common rice sells at 12 seers per rupos at Sadar.

**Cottack.—Rainfall at Sadar 9.32. Fall general. Weather seasonable. Early healt being out and average outturn expected. Late healt growing well into maturity. Garn and highe sarad growing well. Prospects fair. No cattle-disease. Fodder and water sufficient. Old common rice sells at 14 seers 7 chitaks and new healt at 18 seers 6 chitaks at Sadar.

Balasore.—Rainfall at Sadar 0.67. Fall general. Beali being reaped. Sarad being transplanted and weeded. Prospects good. Standing crops with sugarcane prospering. Lice sells at 14 and 16 seers a rupee at Sadar and Bhadrak respectively. Fudder and drinking water sufficient.

Angul.—Rainfell at Seder nil, Chhendipada 1.07, Tikerpara 0.47, Bissipara 0.24. Weather he'. Weeding of paddy and sewing of rabi in progress. Harvesting of bhastoi crops continues. Common race sells at 12 and 10‡ seers per rupes at Badar and Khondinals respectively.

Puri.—Bainfall 0-56. Fall general. Weather seasonable. Puddling and weeding of winter rice continues. Horvesting of bhadet paddy and mandus in progress. Outturn expected to be normal. Sugarcane and other miscellaneous crops doing well. Fodder and water-supply sufficient. Common rice sells at 14 seers 7 chitaks per rupes. Cattle-disease has broken out at places.

Hazaribagh.—Rainfall at Sadar 3.59, Giridih 4.55. Fall not general. Weather seasonable. Harvesting of bhadoi crops going on. Sugarcane doing well. Cattle-disease reported from two thanas. Fodder and water sufficient. Common rice sells at 102 seers per rupee.

Ranchi.—Rainfall at Sader 6.86. Fall general. Weather seasonable. Prospects good. Sawing of sirguja and karthi in progress. Cattle disease reported from several thanks. Fodder and water sufficient. Common rice selling at 14 seems per rupes.

Palaman.—Rainfall at Sadar 2.50. Weather sensonable. Sawan and quadh being hervested. Standing crops all doing well. Cattle-lisease continues in places. Folder and water sufficient. Prices at Sadar—Rice 11; seem, Maine 16 seems 14 chitaks per rupes.

Manbium.—Rainfall at Sadar 1.97, Gobindpur 2.87. Fall general. Weather seasonable. Prespects of crops on ground good. Transplantation of winter rice completed. Palasi las about 70 per cent. Doka rasar about 50 per cent. of normal harvest. Fodder and water sufficient. Cattle-disease not reported. Average price of common rice at Sadar is 12 seers and at Gobindpur 10 is sers per rupes.

Singhbhum.—Rainfall I'13. Prospect of erop good. Harvesting of gars paddy commenced. Average price of rice is 124 seems per rupes in the district; at Chaibases, 12 seems.

General Summary.—The rainfall during the week was general and heavy at places. More rain is still required in the Patoa district. In Rampur Hat subdivision of the Birbhum district considerable loss of property and loss of some lives have been caused by floods. Sugarcane promising. Harvesting of bhodos crops still continues. Transplantation of winter rice is almost over—Standing crops doing well—Prospects fair. Cattle-disease reported from 15 districts. Fodder and water generally adequate. The price of common rice has risen in 3 districts, fallen in 12, and is stationary in the rest (32).

By order of the Lieutenant-Governor of Bengal,

W. C. MACPHERSON, Offg. Secretary to the Goot, of Bongal.

REVENUE DEPARTMENT, The 16th September 1902.

Meteorological Report of the Province

										-			T4 TI	ON OI	APRVA	21038
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SUPPLEMENT	TO THE	CALCUTTA	GAZETTE,	SEPTEMBER	17, 1962.

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	Burtens.	Nankura	Raghura Venhaupur Kaliara Khakra Indes Kotalpur Gode Gangujaighali Rajpur	0731 6'46 0'10 0'40	0.05 0.30 0.34 0.03 0.17	9:30 9:13 9:13	0°76	0'10 0'74 0'70 1'81 0'14 0'34 6'70 0'71	201 201 201 201 201 201 201 201	0704 0703 0710	400 - 100 -	1710 1710	0.80 1.11 0.21 0.21 0.23 1.18 1.18 0.48 0.48	0'80 0'18 0'87 0'87 0'70 0'70 0'82 0'82	0198	0°16	0.30	(97 9-34	0°31 0°36 1°10 0°11	0.00 0.00 0.00 0.00	9784 9784 973 9704 #-	0713 1748 0713 0713 0713 0710
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		se-Parenne.	Sauger Island Ulamond Bar boner Budge-Budge Caucing Town Alipper (Olug Barrach poro Done Burn Barrach Badchbal	6°66	1:20	0-80 0-86 0-83 0-63	6793 0764 1790 0782 6783 6783 6712	0 %0 0 %0 0 %0 0 %0 0 %0	0.05 0.05 0.30	0.00	0°96 0°96 0°96	0 05 0 31 0 17 0 06 0 13 0 18 0 16	0°55 0°55 0°55 0°55	071 074 5-01 8-71 9-93 1-93 1-93	0.76 0.06 0.17 0.25 0.34 0.30 0.30	0"L7 0"15 0"16	978A 9769 9758	2761 0750	074	0.08	073 6'21 6'27 4'36	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
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SUPPLEMENT TO THE CALCUTTA GAZETTE, SEPTEMBER 17, 1902.

	pì	98	84	34	94	97	m	10	30	81	Number of	Attende then ber of raing		full for the month,	But direct the meath,	The said and said May Up to start Abgres 1904.	Avenge rate fell from 1818 May up to 81st Angest.	Biation.	District.	Dietaion.	M record optical Divisions,
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明二十二年前 十一日 一日		100 200 100 100 100 100 100 100 100 100	0°166	0-14	0°27 6°18 0°29 0°74 0°69 0°69 0°69	0°38 0°73 0°73	0.18		### ### ### ### ### #### #### ########	0*04 0*04	16 19 10	18-18 18-18 18-17 18-17 18-17 18-17 18-17 18-17	10730	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8-91 11-85 6-59	60:57 50:53 61:84 50:46 50:46 50:47 53:50 54:79 04:53 76:43 76:43	\$0.99 45.70 40.40 59.49 58.30	Reiganj. Dinejpar. Ratoghat	Dinajpur,	A	Many

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Shares the	Mark by Land	Rengper	Bawengunj (Galloude). Rangur Porganj Kurguon (abladgan) Hagdogra (Aliphamari)	0:26 1:63 0:32 3:60 0:80	1'00 0'34 0'34 0'34 0'36 0'36	0°44 0°19 0°19 0°49 0°40 8°50	0188 0180 0130	orie	0°06 0°28 0°34 0°34	0.00 0.00 0.00 0.00	ords ords ords frat	0°98 0°90 0°30 0°34	Lili	196 990 940 110 51LF	1*08 1*05 1*05 2*99 1*11 0*75	6*86 0*18 0*18 0*08 0*08	1-15 0-10 0-15 0-15 0-16 0-67	0.08 9.00 0.10 0.30 0.30	0°05 0°06 0°08 0°11	6*86 0*06	0*19 0*18 1*18 1*90 1*66 0*59	0101 20 20 20 0100	A 22 4 2 . 2
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er Branda.			Pirojpur Bernal Gaurnal Bhela Danishkhan Rauphal	 	0.00 0.70 0.70	0.01	0'30 0'53 0'57 0'54	8.19 0.10 0.10	0'07 0'35 0'11 0'08	8*08. 0*71 0*43 9*46	0.02 0.08 0.08 0.00	0'11 0'04 0'37 9'94 0'48	0.00 0.00 0.00 0.00	1 75 1 000 1	1.83 0.89 0.19 0.19	1-1A 0-MT 1-7R 0-98 0-98	0'06 0'58 0'06	0786 0786 1/37	0.00	6-80 0-80 1-60 1-60	8-05 0-25 0-31 8-06 8-07	0.10 0.10	12333
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SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVA. TIONS TAKEN IN ASSAM, FOR THE MONTH OF AUGUST 1902.

Wearen in Bengel during the greater part of Angust was generally such as occurs during the mouseon season with fairly well distributed, though not in all parts normal, rainfall. The exceptional conditions noticed in earlier reports still existed in the early half of the month, but soon after the middle a change of a marked kind occurred and was chiefly shown by the movement of three shadow depressions which passed north-westward from the Bay in rapid succession between the 19th and end of the month.

The principal disturbance in the first half of the month was an exact parallel to one which occurred at the end of June and beginning of July, and which led to the commencement of general continuous weather in the greater part of Bengal. As on that accession a fall of pressure began in Assum and North Bengal and extended southward over the Province, but chiefly westward along the Himalayan range. Rainfall began in the extreme east of Assam on the 9th, it extended to North Bengal on the 10th, and then came a general heavy fall over the whole of Bengal Proper on the 11th. This westerly and southerly extension of the rainfall area coased anddenly, and the heavy falls on the 12th were confined to the hills and submoutance districts.

The absence of any indication of disturbed weather over the Bay on the south of the Province during the days preceding the changes referred to, as well as the fact that not only pressure but also temperature began to fall in the north-sast first and that the extension of those changes was southward and westward, show that the disturbance was of a kind which, though not rare in the present asson, has been exceptional in previous years. Also the information obtained from the ground level observations is insufficient to account for the occurrence of the general heavy rainfall on the 11th.

The minial of those days forms a considerable portion of what was recorded in North Beogal during the mouth, as an important change began soon afterwards, a change which may not have been independent of the earlier occurrences, but which in the absence of information must be treated as separate and independent.

The first indication of the change was the formation of the shallow depression in the west or south-west of the Bay about the 15th. It remained shallow and ill-defined for several days, causing irregularly cyclonic winds on the coast of the Circars and Madras. The winds never attained to even moderate strength; and the chief feature was the fall of temperature, which, beginning in the extreme south-west of the flay, moved north-we-tward into India. The central area of the depression on the 19th was near the north coast of the Circars, as shown by the northerly winds at Visagapatam and Gopalpur. On the following day the depression having moved westward, weather was of ordinary monsoon obstracter over the Bay and Province.

Usually when depressions are forming over the Bay, especially in August and September, and northerly winds prevail over the Province owing to the indraught towards the low pressure area, rainfall to a great extent ceases in Bangal. During the days between the 15th and 19th when the above disturbance affected weather in the west of the Bay, very little rain fell in the western districts, but showers, generally light, were of almost daily occurrence in East and North Bangal. After the depression passed inland on the 19th, general light or moderate rain fell over the greater part of the Province, but it soon ceased because of the approach from the east of another disturbance towards the north of the Bay.

This disturbance was first shown by a moderate fail of pressure in the south of Burms on the 21st. The fall was more rapid on the 22nd, and there was then a well marked depression over the area represented by Rangoon and Monlmein, with a very uniform distribution of pressure over the Province and the north of the Bay. The depression continued to move north-westward, the central area being south-east from Akyab on the 23rd and close to the Orissa Coast on the 24th. Some development had occurred during the two days the disturbance was over the Bay, and when the centre was in the north-west angle, there was a steep pressure gradient with strongish winds over the whole see area. The highest wind valouty at Diamond Island was 20 mites an hour on the 23rd, and on the west coast 25 miles at Saugor Island and Gopalpur on the 24th.

On the 25th the depression was inland and over Chota Nagpur, and on the 26th it had moved westward beyond the boundary of the Province. A few stations in Oriess and Chota Nagpur reported heavy rainfall during the passage of the disturbance, and after it had moved westward, general light rain fell in the northern districts for a day or two.

The recovery of pressure after the passage of the above depression over Bengel was not complete when the third depression of the latter part of the month began to appear, again in the south of Burma. A moderate fall of pressure was reported from Moulmein and Tavoy on the 26th, and on the 27th the wind circulation was slightly abormal on the Burma coast between Diamond Island and Akyab. But for several days the disturbance was very slight and was shown as a wide diffused depression over the north of the Bay with light irregularly cyclonic winds at coast stations. On the 31st it was better defined, the central area was near

the south coast of Orissa, and a steeper pressure gradient had developed over the south and centre of the Bay. The depression was still shallow, and the greatest defect was 'l inch at False Point. On the 1st September the centre was still over the Bay, but it then moved rapidly westward, and on the 2nd was to the west of Orissa.

Though there was very little wind with the disturbance and no heavy rainfall, showery weather became general over the Province after the passage inland.

The month was divided naturally into two equal parts. During the first-half fine settled weather prevailed over the Bay and general rain fell inland until the disturbance occurred in the Himalayan region in the second week. The period of general rainfell in Bengal was practically brought to a close by the heavy burst on the 11th, any heavy falls on subsequent days being chiefly in the northern district. During the second-half of the month weather was more disturbed over the Bay, and minial inland was not only lighter than during the first-half, but lighter than is usual at the time of the year. This was due to the westerly movement of the depressions and to the monegon current being diverted westward from the Bay. The rainfall in Bengal generally during the latter half of the month occurred for two or three days at a time, while the depressions were in the north-west of the Bay and for a short time subsequent to the pastage inland. At other times comparatively rainless weather prevailed, more especially in the western and contral districts,

Pressure underwent considerable oscillations at times, but as no deep depression occurred, the daily rise or fall was never more than moderately rapid. The more noticeable changes were on the 9th and 10th, when weather was disturbed in the Himalayan region, and on the 2th and 25th, when the second of the three depressions of the latter part of the month was passing from the north-west angle of the Bay across the south-western districts. The fall in front of the depression was about 15 inch in 25 hours, and a rise of similar amount occurred during the recovery.

The difference from the normal on an average for the month varied from excess of '02 inch in Bengal Proper to defect of similar amount in the south of Burms and the south of Madras.

Temperature.—As cloud was not so heavy as usual in the gust, temperature was almost continuously higher than usual, though not by large amounts. The only occasions when comparatively cool weather was fairly general were about the 11th and the 26th after the rainfall caused by the disturbances of these dates. There was a rather large excess in Bihar while the depressions were developing over the Bay in the latter half of the month, the greatest being 5° on the 16th. At other times excess was only 1° or 2°. Owing to the continued excess from day to day the average temperature for the month is above the normal by considerable amounts. In South-West Bengal, Bihar and Chota Nagpur excess is 1°.5, in East Bengal and Orissa about 1°, and in North Bengal rather less than 1°.

Excess in maximum temperature varied from 2° to 3° in the western districts to less than 1° in the cast. In minimum readings it was smaller, and generally less than 1° in Bengal Proper. In the west of Bihar and Chota Nagpur it was about 1°.5 on an average for the menth.

Rainfall on an average for the larger divisions was below the normal, except in North Bengal, where there was excess of 3.5 inches, and in Orass, where there was a small excess of a quarter of an inch. The defect was large in Chota Nagpur, more than 5 inches, and moderate in Bihar, more than 3 inches.

The reasons for the heavy reinfall in North Bengal and Orisea have been given. In the former it was due to the disturbance in the Himslayan region about the 10th and 11th, and in the latter to the series of depressions which crossed the south-western districts during the second part of the month.

The crea of largest defect is the north and east of Chota Nagpur. Over that area there was a uniform defect of about 6 inches. Evoluding the Orism coast districts and the sub-montane tract in the north of Bihar, where the rainfull was generally in excess, the whole of the western half of the Province received less than the usual amount, though not to any great extent, except in the part of Chota Nagpur referred to. In Bengal Proper the variation from the normal is irregular. Generally there is defect, except in the eastern half of North Bengal and in parts of East Bengal. The greatest excess is 17 inches at Baxa, and at a few stations in the extreme north-east it is between 8 and 10 inchest. In Chittagong defect is generally between 8 and 10 inches.

The actual falls were below 7 inches in the north of Chota Nagrau and the adjacent part of South Bihar, and below 5 inches at a few scattered stations in that region. In the south of Chota Nagrau, the greater part of Orissa, the southern and eastern parts of Lower Bengal, the greater part of North Bengal and the extreme north of Bihar falls were 10 inches and upwards; the larger amounts as usual being in the south-east and north-east. In Cooch Behar, Jalpaiguri and Darjeeling, Netrokous and Nockhali amounts exceed 20 inches, and at a few stations in the extreme north of North Bengal falls were upwards of 30 inches.

The comparison of the actual rainfall in the various large divisions of the Province with the normal is most accurately and conveniently shown in the form of a percentage. The figures representing the rainfall for the month, calculated in this way, are included in the table below under the heading of August. This table really gives at condensed summary of

the rainfall statistics of the present year up to date for each meteorological division, the first eight columns giving the actual average rainfall in each division in each month, expressed as a percentage of the normal, while the ninth column gives the total rainfall for the first eight months expressed as a percentage of the normal rainfall for that period:—

Mateorological Divisions	January.	February,	Marsh .	April.	May.	Jane.	July.	August.	Actual rainfall of first eight months of 1902 expressed as a persontage of the parmal fall for the period.
South-West Bengal North Bongal East Bengal Bihar Orises Chota Negpur	Nil	2	166	250	186	57	110	89	99
	11	2	261	154	112	108	112	123	116
	Nil	1	85	308	127	131	129	93	127
	18	4	263	177	99	60	111	71	86
	104	1	97	218	82	58	169	102	111
	81	41	82	116	116	33	111	59	75

The following table gives full data for the comparison of the actual and normal rainfall of the month of August in all districts of the Province:—

Percentage Table for August 1908.

Dyvason.		Dynamics.			Normal district regular, August,	Actoral district respirat 200s.	Percolary Ichael is scrael neithii.	Percentage, ***
	-	Burdwan		411	11:76	7'50	66	— as
	- 16	Birbham	144	ord .	11.45	13.84	108	+ 8
	- 11	Bankura	***	411	35.80	6-9B	69	- 41
	- 11	Midnapore	79-1	8.84	13-86	19:20	108	+ 3
	- 1	Hooghly	191	411	13-65	9.66	76 89	- 24 1
a	1	Howrah	114	11-1	11.39	11-88	84	- 16
South-West Ber	ages 3	94-Parganas		144	18:29	14.01	110	
	- 1	Calcutta	494	691	10:96	8-48	77	+ 10
	- 1	Nadia	441	1111	1045	18.91	126	+ 26
	- 1	Murshidabad	101	411	10.67	8:38	79	- 21
	- 11	Jensore	401	194	12.83	9.99	81	10
	- 5	Khulne	++1	411	10-85	11.03	111	+ 11
		Rajahahi	h++	141	19:41	15.26	198	+ 23
	- 1	Dinajpur	-4-	401	26.53	30-17	114	+ 14
		Jaloniguri	111	15.1	24'04	26'43	105	+ 6
North Bengal	4	Daviosling			10-26	20:78	150	+ 69
Ti Ot the man-Bu-		Cooch Believe	***		12-88	14-59	116	+ 16
	- 1	Rengput	- Albert	441	11-48	14.68	127	+ 27
	- 1	Pappa	147		11:04	9.87	85	- 16
	- >	Dagga	141	***	12-60	13:48	- 99	- 1
		Mymenningh	144	***	14-95	16:46	110	+ 10
	- 1	Paridpur	140	***	11:49	11.33	98	- 2
		Backergunge	415	HIL	16-21	14-18	87	— Ja
But Bergal	- 10-5	Tippera	101	*4*	11-78	38:18	95	- 6
	t	Noakhali	200	7.09	28'92	28 25	97	— ş
	- 1	Chittagong	444	***	21.43	16.60	47	29
	- 1	Chittegong Hill Track		774	16'64	13.76	78	- 23
	- 7	Paina	990		11:31	8-82	79	- 21
	- 1	Gays	+ 111	111	11.73	8.69	67	- 4
		Shahabad	191	517	11'66	8.68	ēT i	- 4
		Baran	P19	171	11.00	7-29	66	- 34
		Champaras	191	101	12.81	13-09	9.6	- 3
		Musefferpur	-	Ph4	11.00	9-87	90	10 16
3har	161	Darbhanga	+14	611	33 61	10.15	#1 #0	= 2
		Monghyz	010	914	11-41	6-80	71	_ 2d
		Bhagalpur	688	100	11-66	831	88	- 1 13
		Purnea	161	h de a	14-96	18:22	76	
		Malda	240	191	11.07	7-68	88	_ I
	- 1	Bonthal Pargunas	999	441	11:66	13'89	97	
	1	Cuttack	mrs 4			9:71	53	11
Orizon	5	Balesore	411	++1	13.81	16:40	125	+ 5
		Pari	9.09	#9s	19-58	7.17	67	1 1
		Hamibagh	497	Bellis	18-21	10-56	80	- 90
		Ranchi Palaman	141	110	13-43	5.40	41	- 60
Chota Nagpus	1111	Manbhum	1111	711	13.99	9-20	78	- 31
		Binghbham	++1	*11	14-50	7.17	4.9	_ ši
		PHERONAL	919	н	24.44	, , ,		

SUPPLEMENT TO THE CALCUTTA GAZETTE, SEPTEMBER 17, 1903. 1345

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the month of August 1902:---

							TRMP	PARTY	NZ.				1	MILITA	111-			
					dering month.	month.	41	trapts indu/d	tor	th above of month.		Of mo	nta.	Ba	ing a	.ya.	M	o 10th
R Palbokor	04104	Divi	MT:Bjrj	l.	Righest observed durin	LA west observed during	Of highest of each day.	Or lowest of mah day.	Of meen for each	Average mean of sensition of the ballow south the sensition of the sensiti	Artengu.	Durgal anatogo.	Variation.	Average number in	Normal average name, her in modific.	Taristion,	Average.	Normal sylvage.
South-West I	engal	484	201	b++- !	17'B	7519	90-6	79-3	65'5	+110	10121	33150	1486	18*60	15753	-1.00	10/43	57734
Korth Zengul		404	måni	-	10%	73-1	3616	78-7	69:7	+817	10.00	11-10	+8'68	10.63	15'52	-0.60	68-50	87-61
Tast Pengel	del		rq s	e de	10/18	701	461	78:1	55°1	+10	10.81	16'14	-1.88	10-05	17:50	-1*28	67-10	07-31
ther or	44	248	971	Ilin	2013	73'3	80'7	29%	NO-L	+1%	8-40	11713	-3143	mai	18:80	-1 TD	20-03	34107
mes	11 pa	141	481	n.go	1014	7672	8012	TO'd	869	+11	19 mg	18'80	+0119	LUMB	15'15	+0%1	28 79	85"19
dore Magpie	·	***	879		96'8	71.76	68-9	79'3	qs	+1.7	710	18799	-8:80	1847	18'66	-8157	37146	28'07
Lagrant per	411		нь	401	9010	70'5	10.9	7216	mort	ō								

Purnits not included.

Methodological Office, Bregal,
The 16th September 1908.

O. Latria,

Meteorological Reporter to the Goot, of Bengul,

		виние.	=		Mot moder entalembles				
40 4	TALL Y	to 000,1 yeq ottalli and publishingoq amanna	=7	**************************************		29-10 40-44 40-44 92-60 18-73	107.96	-	
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 		population per 3,000 of population per consiste	2	10.00 10.00	中央のでは、日本ので	を の の の の の の の の の の の の の	87-Bd	60 in 10 in	+2.08
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98.		Strander register-	10 10		Carried and the secon	00224	09.	.09	<u> </u>]]
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		Datistore.	-	- Cyapun	Partition of the Partit	No.			

SUPPLEMENT TO THE CALCUTTA GAZIETTE, SEPTEMBER 15, 1000

48

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CORRESPA S	MONTH OF PRINCIPALITY.	Members to Abresian	al	を	6,185	ì		CAPITAL
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	BRATTE	Municipal Po-	2	7 - 21. e	3	Date		
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	Plast	-or Todaraß -benötig	2	The state of the s	3	Date		
	POT.	Sacto per 1,000 of population per apraisa.	0	220 Paris Paris 1 27 Par 9 11 Paris	*	7	1	
	CHALL POT.	-e) recimplif -benefalty	40	1	3		III	-
	CHOLBRA	Office per 2,000 of population.	E-	4 14100 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4.30	3.96	PK.+	
_	Caro	Angibut K	40	· · · · · · · · · · · · · · · · · · ·	3	2	13.4	_
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Erra	Trinsition	3 4 11	# P	# # 1	20,448 MA 10,000 MA 10,000	20,000 100,000 100,000	20 mg and 20 mg	10.075 50 11.0000		1 1 1	1 1 1	1 1 1	10,000 10 11,000	SA SA SA SA SA SA SA SA SA SA SA SA SA S	4 4 1	F 2 5 1	2 6 5	E & E	
Pates and Gays.	Total of the corresponding period of last year. Workers Makin	525 4	100 to 10	eat #	11,300 M,304	18,644 78,725 1300,475 8,489 71,730 604,660	10,744 10,741 11,731 11,731 14,700 14,700	1,504 1,504 1,504 1,504 1,504 1,504 1,504		**************************************		1,000 1,000 1,000 1,000 1,000	14,894 21,919 25,191 1,813 18,150 18,150	10,736 19,443 19,947 1,16,973 1,16,973 1,16,973 1,16,973	1 1476 1 1476 1 1476	MAIN PERSONAL PROPERTY AND PROP	122	11.78 10.34 10.34	
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DAMPETING,

R. C. Elsen,

The differences between the severage discharge and discharge willight are due to leakages.
 Exclosively for provisional less.
 Of this, takes severages as provisional less.

SUPPLEMENT TO THE CALCUTTA GAZETTE, SEPTEMBER 17, 1903. 1849

GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

Approximate return of traffic on the Circular and Bastern Canals for the week ending Saturday, the 18th September 1908, as compared with the corresponding week of the previous year.

Name	OF CARGO.		Wahr hi	edin e žar die 2 Septembrie	1000.	Waxe x	BULLER BYLORI Buller Byloria	OAY, THE OL.
	· · · · · · · · · · · · · · · · · · ·		Number of	Weight of during.	Tollage.	Number of bests.	Weight of	Talingo,
				Mda,	Ha.		Mdı	Ra.
Rice and paddy Jute Firewood Uther articles	#### #### ####	***	668 189 46 638	88,776 88,276° 28,660 1,20,726	1,079 606 491 1,886	637 167 84 612	70,100 88,700† 99,426 1,23,610	891 674 694 1,617
	Total	- 1	1,408	2,71,485	3,461	1,400	2,71,836	8,680

Weight by canal measurement, 37,712 maunds.

† Ditto ditto, 37,400 ,,

Results of the Meteorological Observations taken at the Alipore Observatory from 7th to 13th September 1902.

			16	2		Тимгий	apples.		. 1	HOMON P	aya't.		WIND.			
Mrash.	Date.	Cartenates for 1988.	Sumber of hours bright sumshine.	Many presente baronel at 32° Pahr.	Nonu.	Maximorn.	Ranga	Minimum	Mean web belb.	Vagour tendou.	Dave point,	Bumidky.	Prevailing direction.	Miles recorded.	Rain.	WIATHER,
	1			Inches.		L .			0	[nohe	b	2	1		Inches.	
1902. Sept.	76b	156-7	4-5	20-604	84-1	91.2	11.8	79.4	B1-1	1-021	79-9	87	E and N	78	0-04	Chiefy cloudy, o, d.
	- Britis	116.2	Kil	-5409	82-9	b5-15	6-1	79 6	81.0	1-056	80-8	92	W by 8 and 89W	23	1.03	Cloudy, o, g, 4, P, 5, 2,
12	Pth	 T.84 =9 	0.5	: : '624	81-8	84°b	7-2	77:4	79-3	0.992	79.0	91	W8W, E and 88E	97	1:38	Chiefly cloudy, o, g, d, p, t, 4.
,11	104b	- 1487	2-1	754	83-2	68-3	10.5	77-8	80-3	1.000	79-2	88	ABB	115	0.78	Chiefly whordy,
.,	1116	151-4	2·9	-778	R\$-0	BD-2	11-1	78:1	80.1	0.086.0	78-0	- 88	388	78	0.00	Chieff dosty,
18	12tb	148:0	3.9	718	84-1	60 D	9.9	79-1	79-7	956	77-9	81	88B and S by W	102	0:01	Chiefly cloudy
,,	180	350 0	5-7	736	85.4	50-8	30-4	80-4	80-4	1972	784	79	Sby Wand S	111	KII	Partially cheels

	1900m. 29.656
The mean pressure of the ceven days The average pressure of the corresponding period for 24 years, Surveyor-	40 01-
The average presents of the divisiponding points for	29:653
General's Office	Hours.
The total number of hours of bright sanshine	20:1
The maximum possible number of hours of sunshine	86-5
	83.5
The mean temperature of the seven days	QQ U
The average temperature of the corresponding period for 20 years, Salveya	88-2
General's Office	13.8
The extreme variation of temperature	91.2
The maximum temperature	26:0em
The highest velocity of the wind in one hour	9
THE DISTRICT POSSESS AND THE PERSON NAMED IN COLUMN TO SERVICE AND ADDRESS OF THE PER	%
The mean relative humidity	87
The average relative humidity of the corresponding period for 24 years,	an
Surveyor-tioneral a Office	86 In 1886
	3-23
The total fall of rain from 7th to 13th September 1902 The average fall of the corresponding period for 24 years, Surveyor-General's	
(AE	3.14
The total fall from 1st January to 13th September 1902	56:71
The average fall of the corresponding period for 24 years, Surveyor-General's	hD 01
Office	53·64

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph

and from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the thermometers. There are verified at the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the thermometers. Kee Observatory. They are exposed under a thatched shed open at the sides, and are suspended four jest above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly

at the Surveyor General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o, overcast; g, gloomy; d, drizzling rain; p, passing temporary showers; t, thunder; lightning.

G. W. KUORLES,

for Meleorological Reporter to the Goot, of India and Director-General of Indian Observatories.

METROROLOGICAL OFFICE, GOVY. OF INDIA; ers (Chalcoptic), the Little Barrionshor 190

Weekly Return of Traffic Receipts on Indian Railways

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 30th August 1902 on 1,913:49 miles open.

	Corcur	o Traffic.	Menonaubice Trai	AND MINNEAL	Osber enthings	Total curnings.	TRAFFIC '	Pratu-milpa mun.
	Number of paragraph	Coarbing receipts.	weight carried.	Receipts,	(mulimased).		Courbing.	Merchan- diss. Total.
-16-		Bac A. P.	Mus. s.	. Rs. A. P.	Ba. a. y.	Ra. a. P.		
goal traffic for the week fe per inter of vallway for previous 73 weeks of half-	.895.018 1,060,765*	3,36,816 B D 176 L6 6 97,84,876 L 0*	46,15,299 30 B,44,40,185 104	7,33,083 15 0 294 1 B 87,79,376 G Pt	18 5 6 1 18 5 6 1 1,4P,194 0 C1		919/200\$ 100/396	173,546 002,51 1,024,7935 5,160,56
Total for 82 weeks	8,991,776	31.35,989 6 0	9,90,51,478 O	46,12,640 8 0	1,74,450 6 0	99,35.186 9 0	\$65,281	1,486,580 3,451,50
Cochinidos.			i			1		100 000
Total for corresponding work of	247,690)	3,45,474 LB P	50, 03,148 0	6,60,963 19 3		18,25,773 4 10	[03,674]	189,6752 993,64
previous year. For rule of unitary correspond-		187 18 4	,	ASM O B	10 14 5	65A 14 B	-11	
put week of proclima year. The little remposabling of weeks of proclima year.	6,515,240	\$6,34,965 LO"3L	4,80,98,950 0	01,00,685 B D	1.77,190 L6 U	1,20,06,611 16 8	\$105,7483	1,656,9402 9,779,1

[a] The servence is chiefly in cont

a Added No. of passengers 680 and Re. 697. On account of difference between the approximate and audited figures for the week ended Eth

Bo. M.u. 5.35,351 and deducted ... 15,475 July 1904.

[Anthed figures up to 16th July 1904.

20G8.

Abstract of progressive weekly returns of all cornings for 1902 in comparison with 1901.

	Spon Longo.	Feriod.	Omching Treffic		Merchus Mintel		Other turnings,	Total.	Per mule of Railway.	Treto mi	
5,111	613/46 913/46 913/46 913/46 913/46 913/46 913/46	it days of July (Wonk sedes) little July (Wonk sedes) little July (Sad August	441, 137 8,7 578, 907 6,7 546, 140 21,4 351, 528 21,4 367, 679 21,6 367, 676 3,8 363, 013 3,5	6, 1747 8, 50 L 6, 50 L 6, 50 L 6, 167 6, 066 6, 066 6, 066 6, 066 6, 066	Minos. 60,88,090 67,49,000 42,84,615 61,86,050 60,94,380 61,49,467 62,13,896 8,04,81,473	The 14.00 b. 62.440 7.07, 4.10 7.14.000 7.12.000 7.13.000 7.13.000 7.13.000 66.13.000	Bas- 13,641 14,696 14,516 34,766 19,669 19,129 36,911	Box. \$1,80,657 \$1,97,612 \$1,00,055 \$10,84,736 \$10,70,808 \$10,70,808 \$10,70,808 \$10,80,160	18.5 1,150 028 875 807 501 534 675	No. 500,075 ming,531 979,025 994,331 978,000 906,660 906,577 388,510	Bate. 8a. 4. p. 9 8 10 4 8 6 9 16 1 8 15 12 4 0 7 8 12 7 8 14 9

Abstract of progressive weekly returns of all servings for 1909 in comparison with 1901-concluded.

1901.

design a make or a					
1,537'45 1,537'770 1,538'74 1,538'74 1,538'74 1,538'74 1,538'74 1,538'74	18 days of July Pateringers 18 297 3915 7.55 7.55 7.55 7.55 7.55 7.55 7.55 7.	778 1,04,79,701 18,78,791 44 44 44 45 45,770 47 48,78,780 48,770 48,78,780 48,78,770 48,78,770 48,78,770 48,78,78,780 48,78,78,780 48,780,780 48,780 48,	Ba, Ba, 3d 19,661 19,361 10,381 11,052 11,052 11,169 11,169 11,169 11,169 11,169 11,169 11,169 11,169 11,169 11,17,181 1,10,05,513	Re. 1.604 560,802 260,802 260,802 260,802 260,802 260,802 260,802 260,803 260,	Base, Base, Company,

* Audited figures.

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week anded 30th August 1902 on 82'83 wiles open.

	Оффантио	Tairic	Muscharffred a Tear	RD WINDHAL PEC.	Other merchago	Tofal	Такатто	TRAID-MILIM BUD.
	No. of persopport.	Conching receipts.	Wadght carried.	Roceipta.	(setimased),	despings.	Coaching.	due, Total.
Point (raftic for the week to see with of call way for provious 75 weeks of half-year Total for 56 weeks	17,501 107,594° 106,485	160, A. T. 6,618 8 0 190 1 1 10,077 16 07 64,813 8 0	256s, 6, 23,419 21 3,75,137 8+ 1,84,678 50	E. A. P. 141 S 9 25 5 4 4,000 S 0 6,320 E 9	24. 4. P. 8 0 0 0 3 7 61 0 02	8tm. A. P. 4,901 11 0 ,220 0 0 44,749 1 0 40,866 12 0	1,565 8,978§	1/3 3,1 d 709] 8,240 1,069 10,435
Comparison. Test for norresponding week of previous year. For other of reliency corresponding week of previous year. That has corresponding by weeks of previous year.	18,503 194,000	4,038 14 7 198 9 13 43,088 11 3		581 17 0 28 5 9 2,839 14 0	079	6,714 6 L 911 Lb 9 44,754 D 0		280 1,169

* Added No. of passengers 1,900 * Added Mas. 6,407 1 Deducted 5 Audited Agence up to 20th July 1909,

1002.

SUPPLEMENT TO THE CALCUTTA GAZETTE, SEPTEMBER 17, 1902.

TARKESSUR BRANCH BAILWAY - constuded.

Abstract of progressive weekly returns at all earnings for 1902 in comparison with 1901.

Pariod.	oil. Couching Truffic.		Merchandier and Traffic	. Miseral	Osber reralings	Total.	Fer mile of railway.	Trado :	nllenge.
by days of July White maled first, July White maled fi	21c. (1) phase 0,604 -00,401 -01,407 -10,240 -10,444 -13,606 -17,846 -17,841	84. 10,010 0,000 0,007 4,007 4,717 4,147 4,147 4,016	Till Ca., 71,507 16,637 39,665 17,666 17,660 16,245 13,217 23,510	BA, 2,576 405 506 808 909 804 881	20 10 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	B.a., 21,604 7,315 4,667 6,653 5,104 4,754 4,805	10. 628 200 964 301 243 220 114 231	700. 2,060 1,136 1,186 1,186 1,186 1,188 1,186	Bank, 184, 187, 187, 187, 187, 187, 187, 187, 187
Totals up to date	196,440	61,884	1,96,877	8,990	M	49,482	9.50	10,460	4 11 11
	to days of July With quided 19th, July " 19th " 19th " 19th " 19th " 19th " 19th " 19th " 19th	12 days of July 240. 00 phar-topwy. 00.01 21.007 22.407 22.407 23.407	12 days of July 26, oi 26, oi 26, oi 26, oi 26, oi 26, oi	Pariod. Counting Truster. Truster	12 days of July	Pariod. Concising Trailer. Trailer. Persings.	Pariod. Counting Traffic. Traffic. Pariogs. Description Pariod.	Pariod. Couching Traffic. Traffic. Paridge. P	Pariod. Counting Trulle. Trulle. Pariod. Pario

Abstract of progressive weekly returns of all earnings for 1902 in comparison with 1901 - concluded.

1901,

12 123 13 10 25 30 25 20 15 20 15 20 15 20 15 20 15	Tesh anded Bith July Tesh anded Bith July Tesh anded Bith July Tith Spring August 10th 12th 12th 13th 15th 15th 15th 15th 15th 15th 15th 15	No. of padecupyen, 61,25-8 15,252 24,862 24,862 15,15-2 15,15-2 15,15-2 15,000 18,600 196,000	B.o. B.910 4.655 5.411 5.495 4.656 3.901 4.656	10 de. 30,875 6,875 1,355 6,967 7,217 1,811 8,068	786 967 987 984 408 605 605 861	34 14 6 6 5 10 6 6 8	Ha, 10,714 0,808 193 5,739 6,719 6,719 68,704	Re. 468 318 305 336 851 159 513	No. 8,345 1,178 1,183 2,188 1,180 1,160 1,160 1,160 1,160	Re. 1, 419 ft 4 10 ft
--	---	---	---	--	--	--	--	---------------------------------	--	---

* Andlted figures.

DELHI-UMBALLA-KALKA BAILWAY.

approximate Rature of Truffic for week ended 30th August 1902 on 182'24 miles open.

	Оотення	e Trappio.	Manguanten Tuan	FFIG.	Other earnings	Total	TRAFFIC	There mill	in press
	No, of Passengers.	Concluded Securpts,	Weight curried.	Receipts.	(estimated).	esculage.	Concluing.	Merchan- dine.	Tout.
Total truffe for the work	171,864	% n, A. P. 15,647 2 0 16 4 0 1,43,876 15 0*	383m. n. 88,556 90 11,81,066 867	Ha, s, p, 10,005 7 0 07 0 5 77,105 8 0†	No. A. P. 80 6 0 0 8 9 025 0 0\$	E+. 4, P. 2019/11/10/0 145/14/1 1,50,815/4 0	8,864 85,004§	4,678 50,0785	12,000
Total for 61 wasks	160,186	1,09,912 1 0	13,34,876 19	86,047 15 B	36 5 4 4	3,47,728 6 Q	16,976	41,634	. 144,40
COMPARSION,									
Total for corn-sponding week of	19,679	1M,811 0 0	79,947 91	H,786 G 10	05 Q G	26,396 7 4	9,048§	8,8714	344
Per sale of ruleway for composition		140 6 8		85 19 7	985	186 8 8	16.1	131	
Tutel for corresponding by weeks of previous year.	190,010	3,89,478 4 5	10,18,908 4	3,09,207 19 8	104 5 0	2,00,848 2 7	75,984	38,674	104,3

* Added No. of passengers 277 and Ma. 8,301)

1 Do. total da 6,253 and will not necount of difference between the approximate and audited figures for the week ended such July 100.

1 Do. total da 6,253 and not necount of difference between the approximate and audited figures for the week ended such July 100.

2 Do. total da 6,253 and not necount of difference between the approximate and audited figures for the week ended such July 100.

1102.

Abstract of progressive weekly returns of all earnings for 1903 in comparison with 1901.

ijiye milanje.	Period.	Conching	Tradic.	Merchandine an Traffic		Other earnings.	Total	Far mile of railway,	Proin z	n Deallar
10114 10114 10114 10114 10114 10114	West ended 10th "	Number of Passanagera, 40,866 25,461 100,997 200,086 21,855 500,840 10,403 17,740	Ec. 34,001 17,045 52,147 18,674 27,896 14,665 14,665	Midn. 1,45,444 5,56,410 1,47,167 64,478 27,210 09,975 75,160 83,656	B.n. 19,067 15,066 0,764 6,006 9,669 7,255 8,196 10,006	100 400 401 401 401 401 401 401 401 401	24- 61,007 25,677 21,085 27,241 27,544 34,784 36,101 38,924	26a. 819 804 194 187 139 134 184	260, 25,160 15,407 36,778 15,178 18,178 18,970 13,083	Pain 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Totals up to date	180,364	1,59,588	12,14,575	119,034	568	1,47,728	126	TH/40	1.1

Abstract of progressies weekly returns of all servings for 1909 in comparison with 1901-coaciaded.

290£

100 % 100 % 100 % 100 % 100 % 100 % 100 % 100 %	Hotel Week	ench es ps ps ps ps ps ps ps ps ps ps ps ps ps	271h	Aug.	Mamber of Passenger v. 41,163 53,978 54,494 21,494 21,494 11,497 19,470 19,574	22. \$1,180 17,301 18,410 18,410 18,410 18,410 18,410 18,411 1,40,470	26 dec. 21,10,000 05,131 01,877 04,570 1,94,544 1,00,461 dt,800 72,007	95.4 80,744. 30,709 10,095 31,813 11,546 5,465 10,865 0,784	20 64 65 65 65 65 65 65 65 65 65 65 65 65 65	2.e. 10.01.0 20.30.0 20.00 20.700 30.700 54.00 55.00 \$5.0	No. 684 375 375 379 311 180 348 160 330	No. 11,046 31,731 11,965 11,963 12,104 11,076 12,231	Barba
4										of notate		2011-	

* Audited Squres,

SOUTH BEHAR BAILWAY.

Approximate Beturn of Traffic for week anded 30th August 2502 on 78.76 miles open.

	COAORERO	TRAFFI	J.,	Managaran	TRAI		JL Z	LLL	Other e	we b	ng:	Total sa			Tal Phro	Than-eile	nos.
	Number of passections.	management. Four-first A. or		Weight one	ziol.	Mec	dpi	lat.	(enthus	s.bpd	}.	I OWN DE	L M TET	ju.	Construg.	Merchan.	Total.
		Ba.	le Fe	36.00	g,	24	à.	Pı	- Has	A. 5		Re.	4.2				
and trains for the work	8,988	J,445 (9	6 5	35,866	. 0	1,755		0	19		٥	7,798			1,920	1,447	5,000
provious 74 weeks of half-year	87,1901,	67,315	1 0	2,76,841	30†	17,061			100		ůţ.	\$4,556			18,05Mj	5,440)	F1,080
Total for 5\$ weeks	\$4,06L	12,767	1 0	2,49,237	80	19,890	iı	6	380	0	à .	75,896	8 (14,007	7,908	\$4,800
Companies.			4											-			
pint for corresponding week of	18,584	1,616	8 3	50,040	10	1,818	3	٠	14	a	¢	1,443	0 5	•	9,117	1,100).	3,300
shouting meer of bearious	-	71.	<i>B</i> 0		i	93	D	8	0	9.1	b	94	8 (.]	·		
of perious year	100,777	120,667	2 1	\$,98,166		94,374	Б		168	5	6	1,01,414	11 1	ιį	18,961	11,106#	98,875

sided No. of passengers set and deducted Rs. 684

Deducted manager 6.716 and added ... 97

Do. 12

Do. 13

July 1006.

Abstract of progressive weekly returns of all earnings for 1903 in comparison with 1901.

Opin militage.	Period.	Omehing Truffis.	Marchandin and Traffic.	Hiseral	Other.	Total.	Per zoile of radiway,	, Train :	ntleague.
*11/16 *21/16 *11/16 *11/16 *11/16 *11/16 *11/16	Tetals up to date	Number of passengers. Re. 25,504 12,510 1,755 4,804 10,835 4,775 9,189 9,189 8,065 96,044 IM, 767	30,426 41,494 35,616 51,648 25,195 11,473 33,866	Ro. 4,878 5,144 2,145 1,046 5,045 1,948 5,968	But. 40 5 5 8 80 10 10 177 178 219	24. 19.588 8.794 8.221 7.200 7.001 7.904 7.900 7.800	\$2.0 \$1.0 10.0 10.0 10.0 10.0 10.0 10.0 10	870. 6,981 2,676 8,635 1,914 2,536 2,646 2,646 2,596	Rs. 4. P. 0. 5. 3 5. 4. 1 9. 10. 7 9. 10. 7 1. 11. 4 5. 8. 8 1. 4. 10

Abstract of progressive weekly returns of all earnings for 1902 in comparison with 1901-concluded.

1901.

7976 7976 7976 1876 1876 1876 1876	13 days of July West ended such 17th	No. et 2	### ### ### ### ### ### ### ### #### ####	Rd. Rd. Rd. Rd. Rd. Rd. Rd. Rd. Rd. Rd.	Ra, 200 200 110 150 214 23 201 104 25 106 25 26 26 27 28 28 20 20 20 20 20 20 20 20 20 20 20 20 20	43 B 10 6 67 B 11 d 50 P 6 2 50 A 15 P 57 B 4 B 50 A 15 P 57 B 4 B 50 F 5 B
	Totals up to date	140,777 75,467	3,00,104 26,000	164 1,01,017	146 99,8	

[&]quot; Andited figures,

BENGAL CENTRAL RAILWAY COMPANY, LIMITED.

Approximate Stature of Traffic and Mileogo for the week ended 80th August 1900 on 139 miles open.

	COACESM	- Indiana			1940	APD MEI	100	A.E.								There are	
	Number of passengers.	Conch		Waight corried.		Repel	pta.		Callety ster	enr _e	11.	Total age	700	ga.	Conching.	Morelma-	Total.
		Re.	4. 2.	Mu.	Đ,	Ja.	4	≥.	Ba,	4.1	p.	He,	4.	p.			
in the of railway	90,050 200	11,896 67	0 0	1,36,489 982		17,884 138	9	0	94 L	6 6	; [80,300 216	0		3,864	4,516	\$,8TE
ma mp 114 114	973,591	1,06,733	0 0	4,48,465		47,543	0	0	1,896	P (Н	1,07,001	¢	0	36,365	EA,687	45,000
Total for a weeks	180,340	1,19,555	4 6	5,78,987	0	45,877	0		3,800	0 0	Į	3,56,623	٠	D	29,717	17,175	14,800
COMPARISON.											ŀ			Į			
for corresponding week termine year mile of railway correspond.	20,312	12,144		3,84,864	0	10,170		0	6,371	ė į	,	45,204	ā	٥	5,077	7,884	20,821
A. A. A. A. A. A. A. B. BOTT. TO	930	96	9.9	1,400	D .	100		Þ	40	0 0	ď	itte	ı	6		179.000	
Station 3 and order of the	\$19,749	5,17,013	# D	0,87,197	0	1,47,838	Ò	0	25,700	p (ıĮ	1,17,615	4	0	17,650	39,601	67,100

* Andited up to livet 12 days of July 1801.

† Conching traffic calculated on 180 miles only.

EASTERN BENGAL STATE BAILWAY.

(Industrio N. B., K.-D., Daces, and Assay-Break Sections.)

Approximate Return of Traffic and Mileago for the week ended 50th August 1902 on 861 miles open.

	COACHIN	a Trayer	C.	MINCHARD		TO MEN	HB.L.I	Or.	her eac		170691	TRAFFI	TRAIT-RE	10 10g
	No. of passengers.	Qrashil reok-p		Weight carried.		Sacoty	а.	L	ferry).		ournings.	Coaching.	Merchan. disc.	Tok.
Cotal traffic for the week.	100,000	1,00,400	0 9 0 9	Mine. 15,77,800 1,868	B.	8,01,480 200	A- F D 0		Es. 40,658 30	4. P. 0 0		27,940	44,994	EL,
Per presione a tracke of half-	3,495,480	1,90,650	0 0	67,49,680	0	12,56,104	0 0		98,930	0 0	\$1,30,100 0 0	198,464	204,618	FH6,1
Total for 5 monks	1,896,470	8,67,890	0 0	69,40,180	0	16,00,004	0 1	1,	26,820	0 0	35,41,946 9 0	200,406	250,000	480.3
total for corresponding week of postloss year for mile of calling correspond-	140,188	86,974	D 0	15,80,002		9,86,682	0 0	ì	200,00	0 0	6,68,006 0 D	37,084	46,134	8U
the week of previous your	199	119	0 0	1.705	0	2530	9 (i	76	0 0	818 0 0	814	486	-
Stations have " " " "	1,872,001	6,95,362	0.4	87,71,989	Đ.	14,10,300	1.1	13	94,003	0 0	\$5,51,154 0 0	887,607	184/166	diq.

^{*} Exploding facty mentage.

BRAHMAPUTRA-SULTANPUR RAILWAY

approximate Return of Traghe and Mileage for the week ended 30th August 1969 on 959:37 miles open,

	Do. of passets over	Coatet consti	ios		114	Walnest Sections.		Escorp		_	Otheren (anche lerr)	d lo		Tota carmin			Tagente	Wate-min Marchan- disc.	gunt.
		Ta.	à.	₽.		Man	ų. }	Esm .	<u>.</u>	₩.	Sa.	٨,	P.	Ba.	d.	P.		!	
Potal traffic for the week	5,760 V7	i,Teo	0			44,930 146		5,14A 87					0	1.94n 117			1.616	1,464	1,00
year pravious 8 weeks of bull-	41,110	16,880	0	û		\$,10,770	0	20,850	ø	û	90.0	0	0	36,580	b	đ	5,684	9,31\$	15,00
Total for 9 weeks	84,800	37,490	٥	Q		1,01,980	1	16,970	1)	Л	480	đ	0	48,830	_!	0	B,646	9,394	300
Dompakisor.																			
Total for corresponding week of greeness year, or or or	6,066	L_R68	0	Ò		80,045	0	8,940	Ð	ń	68	q	U	8,701		В	798	1,199	2,00
Per mite of milway correspond-	11.0	31	0	D		646	¥	64	0	6	1	0	9	97		0	***	48*	-
Total to corresponding date of	\$4,200	26,406	e	ù		3,57,191	۵.	20,344	₿	Ð	206	Ū-	0	30,543	0		7,881	11,000	31/101

^{*} Corrected as per revised statement formshed by Engineer-in-Chief for the helf-year ending June 1915, '15 mile of line at Faichharf hitherto trained at hiding is now being treated as main time,

MYMENSINGH-JAGANNATHGANJ RAILWAY.

Approximate Return of Traffic and Mileage for the need ended 50th August 1502 on 53'57 miles open.

	UDACCIDA	TRAFFI	c.	Mescalar		AND MAIN	ajır. 1	Other or			3 Qtu			TRAFFIO !	PRACTICAL DESIGNATION OF THE PERSON OF THE P	# 2
i i	No. of pastingers.	Conchi		Woulde deat.	ad,	Retup	Ad.	Emri			wah	Jil.		Conchings	Marcha- diss.	1 2
		No.	At F	M.bo.	0.]	Mar.	L 2.	Ba.	<u>ń.</u>	p.	Za.	à	2.	1		
out seaffe for the week	8,4800 DESI	2,083 38	1 1	56,480 200	9	1,386 36	::	1 *		:	3,400	0		1,86e	- Appli	
year in make of half-	# Little	16,880	9 0	1.36,304	9	1,036	0 0	20	0	· O	23,700	6	0	9,379	9,005	_
Total for 9 works	49,234	28,040	* 1	1,49,780	p	7,800	-	- 34) P	6	26,180		-	10,465	7,068	ر ا
this for corresponding work	7,007	3,000	1 0	47,000		Louis	Ų P	3	ь а	0	8,374	6	ų	L, LIM	300	
one work of previous year	141	87	100	000	p	98	9 4	d	1-1		64	W	b	181.	+=	
protects year of the case of	66,867	17,684	- 6-1	1,30,007	ø	6,839	1 4	111	1 0	-	24,988	n	0	9,465	6,653	_

DACCA STATE BAILWAY.

Approximate Beturn of Traffic and Mileage for the week ended 30th August 1903 on 86 miles open.

	Опложене	THATFID		Marken ladie	1.51	enn Maran rtd.	LA K			Total	1	Their-ma	
	No. of	Conchin		Weight		Nateriple.		Other serni	Dagre.	Tota? earmings.	Oceahing.	Nerchan-	Total
		Hay a	. P.	May, s	Ī	Md. Ac	r.	BL A	P.	Sec. 4. 2.			
Complete for the week	39,540 463	10,570 ·		402 0 49°649 0	}	4,170 0 48 8	0	\$60 % \$ 0	0	14,070 0 0 174 0 1	2,778	3,580	4,300
986F 10 - 211 111	200,180	54,460	9 6	1,66,300 0	<u>'</u>	29,866 0	0	1,000 €	О	70,540 9 0	22,193	195,190	D4,504
Total for II tirebile	365,960	64,900	0	1,14,990 0		17,910 4	Q	3,910 0	n	05,350 0 U	\$4,969	10,688	38,413
COMPARISON.													
old for mirrosponding works of province year Termine of railway company	23,650	7,080 (- 6	GL, LRA II	į	6, 000 1	Þ	Sii a	ь	13,450 0 0	2,366	1,618	4,444
had muck of provious year	106	20.0	- 6	964 6		46 0	Ð	6 6	+	356 4 0			160
Solatings hang, or	214,917	63,191 (+	2,85,770 4		35,350 0	٩	5,149 0	4	95,686 0 0	\$5,616	36,796	44,401

COOCH BEHAR STATE RAILWAY.

Approximate Return of Traffic and Mileage for the week ended 50th August 1902 on 38.78 miles open.

	Солошие	7 PATP	10.	Tı		ere.	٠,	Other marnie		Total	THATES	Thatrappe	1 mon.
	260. of pussessingers.	Coset		Wolate Carried.		Secripts,		(the hiding	;	Distributo,	Coaching.	Merchan- dise.	Total
		Hą,	4. 2.	Mount	.]	Ha. A. P.	Ī	Eu. A.	2.	State Acres			
total traffictor the week Or por mile of rail way For portions 2 weeks of half-	2,220	710 EL		16,857 321		1,170 Q 0 35 Q 0		\$0 B	٥	3,900 ft 0 86 ft 0	Egið	3,400.0	E _{gli} ss
Im? - 18 - 41	20,360	2,690	0 0	63,210		7,346 9 0	١.	140 0	P	34,830 o o	\$,306	35,744	27,964
Total for 9 weeks	E5,60ó	2,740	0 0	C9,060	Ш	8,610 B 0		160 0	0	14,430 0 0	9,400	17.843	20,396
COMPARISON,					-								· ~
or prortions year	1,914	460	0 0	19,907	0	1,205 8 0	ļ	271 0	0	5,000 0 F	270	156	400
to commenceding data of	5च	35	0 0	365	0	38 0 0		1 0	û	88 0 o			411
Perjoin year	17,719	ff,601	0 0	43,867	0	8,756 b D		1,100 0	₽	14,70g 0 g	9,054	6,537	6,889

Ballart frago-miles, 1,672,

BENGAL AND NORTH-WESTERN BAILWAY.

Approximate Return of Traffic for the week ending 30th August 1902 on 2,361 miles open.

	Coscative	Cuating Thaypic.		AND MINISTERS PRO	Other earnings (neitheath)	Total	THAPPIC TRAIN MILES RESS.				
	No. of	Receipts,	Weight ourned.	Mosempte.	melnding Hemm-book	etimile.	Coaching.	Merchan- dies.	Total.		
Line traffic for the west on		lin.	Hot.	Bt.	Sa.	Ra.					
Like miles upon the week on heat-	167,480	(=)63,170 48750	5,05,690 40176	(8) 96,880 ° 45-11	18,450	(a)1,37,480 149-08	60,166	(0)52,380	78,976		
-1 4st 1st	1,472,730	5,79,700	43,76,150.	4,77,470	1,5%,740	11,70,970	217,990	240,869	657,668		
Total for an weeks	1,640,189	6,41,839	47,34,900	8,84,869	1,41,179	13,17,460	337,456	179,443	888,618		
COMPARISON.				,							
to convenient year of the property of justicely paying the property of the pro	168,680	76,482	8,46,140	40,781	16,427	Z,201,000	34,608	(d)25,46i	99,815		
	150-79	61:10	476'\$6	49'58	15:15	148*01	4	me.	ы.		
middle from	1,694,989	4,19,679	43,98,117	6,67,419	1,49,445	13,30,001	308,630	209,090	661,895		

(a) Derease due to Ajodhya mela hald in the corresponding weak of the provious year. It was held on the 18th August this year.

West of the previous year. The decrease in goods marning: is on ballagt trains, though there are small increases in public trains such and make an amail increases in public trains and make an amail increases in public trains and make and make and make all the decrease in public trains and increases in public trains and make and make and make an amail increases in public trains and make and make an amail increases in public trains and make and make and make an amail increases in public trains and a such a such as

ASSAM-BENGAL BATLWAY.

Approximate Between of Traffic for the week ended 80th August 1902 on 558 miles open for all descriptions of traffic, and additional 81 miles for goods and pareels traffic only.

	Coacule Trapec.		Musicalaripide The F	AND MIRARAL	Other enrology	Redail	TRAPPI	Than-burn
	No, at развердить	Courbing receipts.	Weight carried.	Receipte.	Cartain description	TOWN ONLINE	Counting.	Merchan-
4		Res as 2.	Mås, s.	Bo. a. r.	Ra. L. F.	He A. P.		
Total traffic for the week Of per male of rullway	16,179 45.73	14,400 0 0 25-70	1,78,945 0	18,094 0 0 ·	1,751 0 0	81.580 p 0 80*46	E,597 11°70	8,369 13/84
Per provious & weeks of bull-	217,081	1,21,346 0 0	15,46,466 0	1,18,006 0 0	9,921 0 h	3,54,393 + 0	60,000	06,071
Total for 9 weeks	348, L1U	3,43,741 6 0	14,81,399 0	7,31,790 0 0	11,672 0 0	3,00,143 & c	16,631	70,483
с. Сомученом.								
fold for corresponding week of merican year for follo of railings correspond.	26,263	15.939 0 D	1,00,400 0	19,148 0 0	8,997 0 0	34,283 0 0	6,100	4,100
ing week of previous year	48:44	13*18	18440	91189	8145	68111	10.88	10.87
benering-lead or	¥.51,750	1,47,418 0 0	9,77,706 0	1,48,781 0 9	19,135 0 0	1,99,883 p p	AT,894	60,701 110

FINANCIAL YEAR. Approximate Statement of Greek Receipts of the Assam-Bengal Railway.

Š.	ABOMPS FOR WEEK REPUTED MORE AVERDET LINE.				TO FOR WEEK OF ADOUGT 100			enchiere 200: August 1869: August 1869.	as ler	Total	L BECHTPYS FACI FRIL 1801 TO 511 AUGUST 1901.	i Ler	Total Louropeo to	Trial decreases
	Mana mileage murbed.	Remipts.		Muan mileage worked.	Stone pte.	Per puls worked.		Total receipts.	Per zelle worked.		Total recespis.	Page talls worked	1949,	JHU.
San Target	Page	84s. 82,840	Ba. 45*44	57%	No. 24,982	Ra, tout	HÉF	0ta. 7,41,110	114		8,14,131		Re.	Ba., 70,633

SEGOWLIE-RAWSAUL BRANCH RAILWAY. (Worked by the B. & N.-W. Ballway.)

Approximate Return of Traffle for the week ending 6th September 1909 on miles open.

	COAGIFTEO	THAPPIC.	Mancalarina I	HC.	Other saraings	Total	TRAFFIO	Thansacie	39k B
	Passengers. carried.	Receipts.	weight carried.	Escolpts.	(satiumated).	entralage.	Concluing.	Marchan-	T
Total lyadic for the week on 18	No.	Ba.	Ilda.	Ea.	Re.	No.			
Or per pulse of military For "pertions 65 waste of helf-	1,80H 101,20	949 18-95	10,617 689-83	589 81'08 ;	6 0139	81.6 60°20	407	37	
. 2000.2 vom 117 per 111	11,978	1,68s	05,887	1,888	61	3,184	2,866	816	
Total for 24 weeks	1.8,000	3,784	47,964	1,117	67	3,960	3,130	DLS	
Tatal for operatorading week of an appropriate on it miles upon For sails of operatorading week	1,569	3.0	7,180	163	19	809	487	17	
Teles to sorresponding date of	799,00	1917	200.00	10'16	9'07	\$6.50	401-700	480-17	
previous year	B4,916	3,498	79,721	2,103	100,	5,494	4,173	ESI	

BENGAL CEL AL RAILWAY COMPANY, LIMITED.

Approximate Beturn of Traffic of Mileage for the week ended 6th September 1909 on 189 miles open.

	Oofcalx	o TRAFF	TC.	Manday	Tua	AND MITTERAL LPPIC.	Other	Total	TRAPPIC T	PRATH-MILITAR	L ROW.
	Number of pursongers.	. Cond		Weight care	rteð.	Metalipin,	Malage.	enralligs.	Douching.	Morrhan- ding,	Total,
. 50.		Ba	A. 0.	Mru.	l.	Ra. a. p.	Ba. A. P.	Be, A. 7,			
per min of railway or privious 9 weeks of half-year	64,548 363 209,666	[3,617 103 1,19,636	. O O		. 0	90,310 0 0 146÷0 0 80,577 0 0	1.598 0 4	55,947 0 p 951 0 0 1,60,820 0 0	8,354	9,5A9 26,1d7	65,600
Total for 10 weeks	546,189	1,86,870	0 0	7,47,623	0	#6,877 0 O	1,648 0 0	2,90,7US (1 g	83,997	81,556	65,638
lor corresponding week of	40,087	11,968	0 0	1,45,890	0	160,7911 O O	141 0 0	28,770 0 0	1,950	0,300	0,000
perket previous year	805	20	0 0	1,050	٥	140 0 0	100	942 Q 0	L114		
percond year	Aba, both	1,00,000	0 8	11,03,663	0	1,50,0\$1 0 0	88,901 o ¢	2,900433 0 0	30,777	44,388	77,100

[&]quot; Audited up to weak ending 18th July 19ts.

† O sobies traffic calculated on 180 miles only.

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

			Ra.	<u>.</u>	э.	Ru.	ă.	y,	
Approximate samings for the week ending 5th Sept. 1909		s Coarnings	4,858 11,165	0		16,086	D	ô	ĝs.
Audited earnings for the corresponding period of 1901	Concidence of the conciden	0	6,381 9,329 79		8	15.758	0	0	9
			Increase			903	0	0	
Beceipts per mile for the little ending 6th Sept. 1903 Date for the corresponding period of 1901	***	F-F=	414	٠	; q	315 309	6 7	7	
			Increase		***	5	16	1	
Beceipts from 1st July to 6th Sept. 1902 Ditto for the corresponding period of 1901	71 L	-	***		hi i	1,81,062 1,37,971	0	0	
		3	Decrease			6,909	0	0	8



SUPPLEMENT TO

The Calcutta Gazette.

WEDNESDAY, OCTOBER 1, 1902.

OFFICIAL PAPERS.

[Non-Outerribers to the Garrers may receive the Burrersman's separately an payment of five rupose per summer if delivered in Calcutta, or seven rupose and eight annae if sent by post.]

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Emolovica on the Telephia Report on the Administra- tion of the Registration Department in Bengal for the years 1990-1990, 1000-1901 and 1907-1992 (1991-1991) Weather and Orop Esport for the trees anding the 1991 Esplantic 1992 Estamber 1992 Estamber 1992 Estamber 1992 Estamber 1992 September 1993 September 1885	Olsconar and Eastern Canal for the west coding Same- day the 17th September 1902 Results of the Meteorological Observations below at the Almore Observatory from that to grid September 1905. Sengal-Nagpur Mallway during the mouth of June 1908	1304	
and Brahmapulve for the mouth of August 1903	Litte (Weakly Return of Trains Receipts on Indian Railways	1896 L896

RESOLUTION ON THE TRIENNIAL REPORT ON THE ADMINISTRA-TION OF THE REGISTRATION DEPARTMENT IN BENGAL FOR THE YEARS 1899-1900, 1900-1901 AND 1901-1902.

RESOLUTION-No. 1315P.-D.

REGISTRATION,

Dated Darjeeling, the 27th September 1908,

READ-

The Triennial Report on the Administration of the Registration Department for the years 1899-1900, 1900-1901, and 1901-1902.

Read also—

The Triennial Report on the Administration of the Registration Department for the years 1896-97, 1897-98, and 1898-99, and the Resolution of Government recorded thereon.

Read also

The Statistical Returns for the years 1699-1900 and 1900-1901.

This is the first Triennial Report submitted to Government after the issue of the orders contained in Home Department letter No. 2741, dated the 26th March 1901, for the curtailment of annual reports, and it has been prepared by the Hon'ble Mr. Tarini Kumar Ghose, who took charge of the Registration Department from Khan Bahadur Delawar Hossain Ahmed on the 5th April 1900. Only eight statistical tables, prescribed by the Government of India, have been appended to this report, but some additional information is

fornished in five statements which are intended for the Bengal Government

Steady progress has been made during the trienmium in the operations of the Registration Department. The number of offices has rison yearly since 1887, and there are now 442 offices open for the registration of documents; only seven of these do not yet pay their way, but their progress is being carefully watched, and some of them are retained in spite of the loss on their working for the convenience of isolated tracts or for the encouragement of registration in backward districts. The receipts of the department increased very largely in the last triennium, and the increase has been well maintained during the period under review, the figures for 1901-1902 being the highest yet reached. Inasmuch as by far the greatest portion of the expenditure is in the shape of commission, the cost of the department has risen in only a slightly less ratio than the receipts; in his present report the Inspector-General has emitted to include the expenses and receipts of his own office and that of the Registrar of Companies, but, even allowing for the expenditure on these, the surplus during the triennium and during the last year is higher than it has over been before. The ordinary items of expenditure remain proportionately constant, but the expenditure on sadar registration offices finds no place in these accounts; hitherto these offices have formed part of the district offices and have been held in the same buildings; but with the increase of district work there is a growing demand for more accommodation in the Collectorate offices, and the time has come when separate buildings will have to be more frequently provided for registration offices, and, considering the large profits made by registration, it is only fair that these buildings should be a charge on that department.

3. The growing recognition of the benefits of registration is gauged not only by the larger number of offices open, but also by the increase in the number of optional registrations. The famine of 1897 caused an immense increase in the number of mortgages of immoveable property under the value of Ha. 100 and in the number of obligations for the payment of money; the circumstances were exceptional and there was a sharp fall in the next three years; but the total number of optional registrations has risen steadily during the period under review, and is now very considerably in excess of the numbers in the years

preceding the famine.

4. The statistics of registration threw a side-light on the condition and tendencies of the people, and they are valuable from that point of view. The most important figures are those for the sale of immoreable property, and the registration of these deeds is compulsory. In 1895-96 the number of such transactions affecting property of the value of Rs. 100 and apwards was 90,237; in 1897-98 it rose to 116,382, but fell again in the following year; since 1809-1900 the number has steadily risen, and in the last year of the triennium it was 130,243. But an examination into the details of the figures does not support the obvious interpretation that the holders of large estates are being impoverished and forced to sell; the explanation would appear to be that the value of land has risen and brought into this category a number of petry holdings the value of which in former years would have been under Rs. 100. Roughly, the classes of estates that come under this head are—

(1) Revenue-paying estates.

(2) Shares in these.

(3) Revenue-free properties.

(4) Intermediate tenures.(5) Reiveti holdings at fixed rates.

(6) Others.

The following table shows the number of sale transactions affecting these classes registered in the years 1894-95, 1897-98, and 1901-1902:—

		1894-95.	1897-98.	1901-1902
Revenue-paying entates	141	2,017	2,184	1,105
Shares in revenue-paying estates	***	13,205	13,619	13,648
Herenue-free estates		9,111	7,221	8,252
Intermediate tenures	***	51,566	66,483	46,522
Raiyati holdings at fixed rates	114	49,398	59,870	88,409
Others	641	98,690	29,525	27,281

The humber of such transactions is fairly constant and shows no tendency to increase; on the contrary, there has been a noticeable decrease during the last triennium in the number of whole estates, intermediate tenures, and raiyati heldings at fixed rates sold; there are no details given from which the relative price of land in these years can be worked out, but the value of holdings at fixed rates has considerably risen. In 1894 these holdings were sold at an average of 12 2 years' purchase; since then the price has gone up, and in 1902 the average is 22 years' purchase. There is a tendency to a decline in the number of purchases made by mahajans, while the other classes of purchasers remain proportionately constant. These figures can give rise to no anxiety as to the condition of the landholders of the Province; far from any signs of deterioration being apparent, they are evidently more than maintaining

their position.

5. As the total of these classes in the last year shows a considerable decrease as compared with the other years, the increase in the total number of transactions affecting immovesble property above the value of Rs. 100 must, it would seem, be at all events partially due to the rise in value of raiyati holdings with occupancy rights and the consequent inclusion of some of these in this category. The increase in the number of transactions affecting this class has been most marked of recent years; in 1892-95 the number was 145,805; in 1901-1902 it had risen to 239,489. The average value has risen from 13 years' purchase in the former year to 19 years' purchase in the last year; the value seems extraordinarily high in Gaya and Ranchi. The districts where these transactions are most common are Midnapore, Mymensingh, Tippers, Muzafferpur and Puri; the increase is common to nearly all the districts, but is most marked in Orissa, and is least in the Rajshahi Division. The number of mahajan purchasers has slightly increased in these years, but in proportion to the number of these transactions the number of such purchasers has certainly decreased; the number of landlord and other purchasers has remained fairly constant, and the great increase has been in the number of raiyat purchasers. These have increased from 109,806 in 1894-95 to 179,418 in 1901-1902. The large increase in the number of raiyat purchasers negatives the explanation that the raiyats as a body have been hard pressed and forced to sell their holdings, nor would this explanation fit in with the rise in the value of these holdings. The truth seems to be that the activity of the Settlement Department has awakened the raiyats in many parts to the fact that they possess these rights and that they are of value; the custom of allowing their transfer has been established by the settlement operations or has grown up, and the more improvident raiyats have eagerly realised this newfound asset for which they can obtain a good price from more provident persons. The facts are engaging the attention of the Revenue authorities, but, so far as these figures are concerned, they give every cause for satisfaction as regards the condition of the general body of raiyats.

6. On the other hand, mortgages of immovesble property of the value of Rs. 100 and upwards have steadily increased during the triennium; the increase is spread over almost all the districts. The registration of these is compulsory under the law, but there is reason to believe that it is only comparatively recently that the mahajan has found it necessary to comply with the law, owing to the fact that an unregistered mortgage is not accepted by the Settlement authorities, and to the fact that his personal influence over the raiyat is on the decline. For this latter reason it is reported that in many cases the mahajan will no longer accept a simple note of hand, but requires some tangible security, and this no doubt accounts for the rise in the number of mortgages on property valued at less than Rs. 100. At first sight it would appear that, if this explanation is correct, the number of obligations for the repayment of money registered should decrease; but the registration of these is optional, and if the personal hold of the mahajan over the raiyat is less than before, it would be natural for him to register these obligations as an additional security. On the whole, then, the registration statistics as far as they go give no cause for dissatisfaction as regards the condition of the landholders or raiyats in this Province, except the large increase in the transfers of occupancy rights, and the fact that by far the largest number of purchasers of these are themselves raiyats

considerably lessens the anxiety on that score.

1888 SUPPLEMENT TO THE CALCUTTA GAZETTE, OCTOBER 1, 1902.

7. The remaining operations of the Department do not require much comment; the number of leases of all terms has steadily increased, and there appears to be no ground at present for the opinion that the increase in the duty on perpetual leases has stopped their execution. The Lieutenant Governor again notes with regret that the number of inspections both by the Inspector-General and the Special Inspectors is not satisfactory. It is of the utmost importance to the proper working of the Department that as many different offices as possible should be regularly and periodically inspected. It is not clear how many of the 374 inspections were second inspections of the same office, but the Lieutenant-Governor wishes to impress on the Inspector-General the absolute necessity of inspecting as many offices as possible himself, and seeing that the rest are inspected each at reasonable intervals by the three Inspectors.

ORDER.—Ordered that a copy of this Resolution be forwarded to the Inspector-General of Registration, for information and guidance.

Ordered also that a copy of the Resolution, together with a copy of the Report, be submitted to the Government of India, in the Home Department, for information.

Ordered also that the Resolution be published in the Culcutta Gasette.

By order of the Lieutenaut-Governor of Bengal.

C. E. BUCKLAND, Chief Secretary to the Goot. of Bengal.

WEATHER AND GROP REPORT.

For the week ending the 29th September 1908.

Burdwan.—Rainfall at Sadar 1.87, Kalus 1.82, Katwa 1.81, Raniganj 1.71. Weather fine. Harvesting of and still continues. More rain wanted. Fodder and water sufficient. No cattle-disease. Common rice cells at 11 seems per rupee.

Birthum.—Rainfail at Sadar 2.25, Rampur Hat 1.80. Weather fair. Crops thriving. Common rice sells at 124 seers per rupes. Fodder sufficient.

Bankura. — Rainfall at Seder 2.80. Standing crops doing well. Fodder and water sufficient. Common rice sells at 18 seems per rupes.

Midnapore.—Rainfall at Sadar 2:16, Contai 2:11, Temluk 1:78, Ghatal 1:03. Weather hot and cloudy. Harvesting of ans continues. Agricultural prospects good, but more rain wanted in parts of Sadar. Fodder and water sufficient. Cattle-disease reported from Binpur thana. Common rice salls as follows:—

				Ste	ob.	
Sadar	***	200	804	12	8	}
Contai	***	***	448	12	0	per rapee.
Tamiuk	94.0	461	204	11	0	Por rapoor
Ghatal	144	224		12	0	3

Hooghly.—Rainfall at Sader I-55, Scrampore 2:59, Arambagh 1:52. Weather seasonable. Weeding of sman and steeping of jute continue. Prospects of standing crops good. Fodder and water sufficient. Common rice sells as follows:—

```
Serampore ... 10 0 per rupee.
```

Howrsh.—Reinfall at Sadar 0.78, Ulubaria 0.89. Fall general. The outturn of the sua paddy has been average. The amon crop doing well. Cutting and steeping of jute continues. No cattle-disease. Fodder and water sufficient. Rice sells at 11 seems per rupes everywhere within the district.

24-Parganas.—Beinfall at Sadar 0.64, Barnest 2.58, Basirhet 2.12, Diamond Herbour 1.52, Rain moderate. Weather clearing up. State and prospects of crops good. More rain wanted in Diamond Harbour. Asse and jute still being harvested. Lands being prepared for the rabi crops in Basirhat. Condition of cattle good. Supply of fodder and water sufficient. Common rice sells at 11 seers in Sadar and Barnesat; 10; to 10; seers in other subdivisions.

Nadia.—Rainfall at Sadar 2.31, Kushtia 4.95, Chuadanga 3.03, Meherpur 2.92, Ranaghat 1.99. Prospects improved by recent rain. Steeping of jute going on. Sugarcane coming up well. No cattle-disease reported. Fodder and water sufficient. Common rice sells as follows:—

```
Badar ... 12 8

Kushtia ... 11 0

Chuadanga ... 11 4

Meherpur ... 13 5

Ranaghat ... 12 0
```

Murshidabad.—Rainfall at Sadar 1'96, Kandi 2'82, Jangipur 4'90, Lalbagh 6'50. Weather seasonable. Prospects of aman, jute and sugarcane good. Jute being cut and steeped at Jangipur. The sowing of rabi crop continues. No cattle-disease. Folder and water sufficient. Common rice sells as follows:—

```
Sadar ... ... 11 8
Kandi ... ... 13 12
Jangipar ... ... 12 0
Lalbagh ... ... 11 0
```

Jessore.—Bainfall at Sadar 1.45, Jhenida 2.84, Magura 7.48, Narail 4.28, Bangson 1.27. Weather seasonable. Prospects of crops good. Fodder and water sufficient. Outtre-disease reported from Salikha outpost in Magura subdivision. Common rice sells as follows:—

- / "				1	311	cn.		
Badaz	400	910	- 800	***	12	0	7	
Jhenade	561	941	***	866	12	0	1	
Magura	494	4.44	100	944	11	0	>per s	II pee.
Narail	***	.001	1911	40.5	11	8	J.	
Bangson	444	114	321	915	13	0	1	
w Mm 5		A . A			-			

Khulna.—Reinfall at Sadar 3-20, Bagerhat 5-13, Satkhira 3-28. Weather seasonable. Transplantation of amon completed. Transplantation and sowings estimated at 100 per

cent., doing well. State of eccreant favourable. Folder and water sufficient. Outile-disease reported from Khulus, Dumuris, and Fakirhat. Common rice sells as follows:—

```
Sedar ... 11 51 per rupes.
```

Rajshabi. - Itainfall at Sadar 5.65, Nator 3.40, Nangaon 4.67. Weather seasonable. Harvesting of jute and transplantation of amon completed. Prospects of crop very good. Common rice selling at 121 seems per rupes.

Disappur. Ramfall at Sadar 648. Fall in the district general, varying from 16:40 to 3:25. Weather mostly gloomy. Standing crops good. Steeping of jute continues. Cattle-disease reported from two thanss. Fodder and drinking-water plentifu'. Rice celling at 12 score at Sadar and 13 score at Thakurgaon per rupes.

Jaipanguri. Rainfail at Sadar 17-01, Alipore Duars 14-48. Fall general. Weather rainy with costorly high wind. Prespect of standing haimanti paddy favourable. Steeping of jute going on. Common rice sells at 11 seers a rupee. Fodder and water sufficient.

Darjeeling.—Rainfall at Sadar 23-42, Kurseong 19-21, Siliguri 23-58. Weather terribly wei. Hills—Haimanti dhan, bars and chheta manua doing well.—Terrii—Transplanting of haimanti paddy finished. Reaping of jute and bhadoi going on. Prospects good. Coarse rice sells as follows:—

```
Hills ... 8 0 per rupes.
```

Maize selis at Darjeeling at 20 seers and at Kalimpong at 34 seers per rupes.

Rangput.—Rainfall at Sadar 9 32, Gaibanda 8 37, Nilphamari 9 18, Kurigram 10 23. Weather cloudy and rainy. Cutting and steeping of jute and transplantation of amon still going on. Water and fodder sufficient. Common rice sells as follows:—

```
-9
                              246
Gnibanda
                             944
                                     0.77 60
                                            10
                                                0
                                                     per rupes.
h.urigram
                                              9
                                                0
                              ***
                                        121
Nilphamari ...
                                        . 10 8
                             Tees 5 in
```

Bogra. - Rainfall at Sadar 4.12. Fall general. : Hervesting of jute going ou. Prospects good. Fodder and water sufficient. Common rice sells at 12 seers per rupse.

Pabna.—Rainfall at Sadar 3-39, Sirajganj 6-83. Weather cloudy and rainy. Showers general. Prospects of aman, sugarcane and hardi fair. Fodder sufficient. No cattle disease. Common rice sells at 10 seers per rupes.

Daoca.—Rainfall at Sadar 2-28, Manikganj 2-66, Munshiganj 2-19, Narayanganj 2-28. Prospects of crops fair. Weather seasonable. Folder available. No cattle-disease. Common rice solls at 11 sears per rupes.

Mymeneingh.—Rainfall at Sadar 263, Jamalpur 3:19, Kishorganj 0:79, Netrokona 3:34, Tangail 289. Weather seasonable. Jute-steeping continues. Aman paddy doing well. Fodder scarce in parts. Water sufficient. No cattle-disease. Common rice sails as follows:—

```
Sra. oh.
Sadar
                                                  ... 12
                                                         - 0
Kishorganj
                                      246
Jamalpur
                                                  ... 12
                          191
                                      ***
Netrokona
                                                  ... 13
              ...
                          ***
Langair
                                                  ... 10 12
                                      ...
```

Faridpuy.—Rainfall at Sadar 3-38, Goalundo 4-17, Madaripur 3-19. Weather stormy and rainy. Prospects of crops good. Fodder available. No cattle-disease. Common race salls at 11 acces the rupee.

Backergunge.—Rainfall at Sadar 6.90. Fall general. Weather seasonable. Transplantation at aman progressing. Prospects fair. Cattle-disease reported from than Matheri, but shating through inoculation. Fodder sufficient. Common rice sails at 18 seers (ams) and

Tippera.—Rainfall at Sadar I'19, Chandpur 2'43, Brahmanbaria 2'11. Weather seasonable. Prospects fair. Transplantation of amen paddy completed. Resping of jute still going on in Brahmanbaria. Amen thriving well. Fudder and water sufficient, No cattle-disease. Common rice sells at 14 seers por rupee.

Nos knali. Raintall at Sadar 2.85, Feni 2.07. Fall general. Weather stormy and cloudy. Hervesting of ans completed. Transplantation of aman nearly finished. Prospects fair. Cattle-disease at Sudharum. Fudder and water sufficient. Common rice cells at Badar at 12 sects, and at Feni at 13 asers per rappec.

Chittagong.—Rainfall at Sadar 1.27, Cox's Bazar 3.35. Transplantation of aman diam is nearly flushed. Water and fodder sufficient. Common rice selling at 12; seems per rupes.

Chittagong Hill Tracts - Rainfall at Sadar 28. Weather Fair. Harvesting continues. No cuttle-nisease. Common nice sells at 13 seers per rupes.

Patna.—Rainfall at Sader 5 08, Barh 7 80, Bihar 2 83, Dinapore 5 16, Hilsa 4 12, Bikram 4 45. Weather clear with west wind. Prospect of paddy crops much improved by the recent rain. No cathe-disease. Fedder and water sufficient. Common rice sells as follows:—

```
Patna ... 12 0
Barh ... 12 0
Bihar ... 10 9
Dum pore ... 12 8
```

Gaya Rainfall at Sadar 279, Jahanabal 3:67, Aurengabad 4:06, Nawalah 2:42, Weather bot in the day and cola in the night. Harvesting of the Bhades crops approaching completion. Faddy doing well so far. No cat le-disease except in a few villages in the Nawadah subdivision. Fedder and water for cattle ample. Average price of common rice is 114 seems per rupee.

Shahabad. Bainfell at Sadar 3-95, Buxar 4-58, Bhabhua 6-79, Sasaram 2-18, Dehri 3-65. Weather seasonable. Harvosting of bhadoi going on. Sugareane and paddy doing well. Fodder and water sufficient. No cattle-disease. Rice sells at Sadar at 14 seems a runce.

Saran - Rainfall at Sadar 4.84, Siwan 3-11, Gopalganj 2.42. Weather seasonable. Harvesting of bhadoi in progress. Paddy and other standing crops doing well. Fodder and water sufficient. No cattle-disease. Common rice sells at 1d seers per rupes.

Champaran. Rainfall at Sadar 5-38, Bettiah 2-19. Weather cloudy and rainy. Prospects of standing crops good. Threshing of bhadei crops still going on. Ploughing of lands for rabi commenced. Cattle-disease reported. Fodder and water sufficient. Common rice sells at 15 seers and maize at 25, seers per rupee.

Musefferpur.—Reinfell Sadar 8:67, Hejipur 5:33, Sitamarhi 7:42. Weather generally cloudy. Harvesting of bhadei grops continues. Prospects good. Fodder and water sufficient. Prices are Common rice 114, and maize 25 seers a rupec.

Darbnanga.—Rainfall at Sadar 11:04, riamastipur 7:93, Madhubani 8:56. Prospect of standing crops good. Colder and water sufficient. Cattle-disease is reported from Semastipur and Darsingsarei thans. Common rice sells as follows:—

Monghyr.—Rainfall at Sadar 508, Beginsrai '83, Jamni Co8. Weather very hot, systemic latterly. Makai harvesting nearly completed. Maraa being harvested, newing of chillies and a veet potatoes going on. L'addy crops and sugaronne doing well. Standing crops in Buriarpur outpost in Beginsari subdivision reported to be somewhat damaged by framesk flood. No cattle-disease. Fodder and water sudicient. Common rice seits as dollows:—

Bhagalpur.—Rainfull at Sadar 400, Banka 490, Mathipura 11:51, Suprul 4:67. Weather seasonable. Prospects of aghani continue fair. Harvesting of bhadoi nearly finished. Sowing of kurthi going on. Fodder and water sufficient. No outtle-disease. Common rice selts as follows:—

Purnea.—Rainfell at Sadar 3.79, Kishanganj 14.19, Araria 10.47. Fall general. Inte and bhadoi are still being harvested. Prospects on the whole good. No cattle-disease. Fodder and water sufficient. Common rice sells as follows:—

```
Sadar ... 19 0 
Kishanganj ... 11 0 per rupee. 
Araria ... 14 0
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Weather-mornings cool, days hot. Prospects of winter rice good. Cutting of jute still

going on. No cattle-disease. Fodder and water sufficient. Common rice sells at 115 sears

Southal Parganas.—Rainfall at Sadar 5. 89, Deoghar 8.77, Godda 4.80, Jamtara 8.45, Pakaur 5.63, Rajmahal 4.37. Weather rai my. Prospects of standing groups favourable. Harvesting of gus continues. Fodder and water sufficient. The market rate of common rice is 13 seers at Sadar.

Cutrack.—Rainfall at Sadar 2-80. Fall general. Weather seasonable. Early testi being out. Late testi and errad progressing well. Prospects fair. Cattle-disease reported from places. Fodder and water sufficient. Common rice sells at 134 seems (old) and 154 seers (new) per rupes at Sadar.

Balasore.—Rainfell at Sadar 1.50., Fatl general. Book being harvested and sured weeded. Standing crops with sugarcane progressing. Rice sells at 13 and 15 sours a rupee in Sadar and Bhadrak respectively. Fodder and drinking-water sufficient:

Angul.—Bainfall at Sadar 0.53, Chhendipada 0.39, Tikerpara 0.37, Bissipara 1.49. Weather hot and cloudy. Sowing of rabi and harvesting of bhades crops continue. Common rice sells at 13 and 12} seers per rupes at Sadar and Khondmale respectively. Fodder and water ample.

Puri.—Rainfall 2.50, which is general throughout the district. Weather seasonable. Harvesting of mandes and bhades paddy is nearly over; outturn cent, per cent. Winter rice, angercane, and other miscellaneous crops growing well. Fodder and water-supply sufficient. Common rice sells at 15 seers per rupee.

Hasaribagh.—Rainfall at Sadar 3.09, Giridih 5.34. Fall general. Cattle-disease reported from two thanes. Harvesting of bhadoi going on. Lands being prepared for winter crops. Fodder and water sufficient. Common rice sells at 144 seems per rupse.

Ranchi.-Rainfall at Sadar 2-10. Weather seasonable. Harvesting of bhadoi paddy and sowing of sirgeja in progress. Outtle-disease reported from Hanchi, Silli and Karra

thanas. Fodder and water sufficient. Average price of common rice is 15 seers per rupes.

Palaman.—Rainfall at Sadar 6.83. Weather seasonable. Bhadei harvesting continues.

Bugarcane and rice crop doing well. Cattle-disease in a few places. Fodder and water sufficient. Prices at Sadar are—Rice 114 seers, and maize 26 seers per rupes.

Manbham.—Reinfall at Sadar 984, Gobindpur 4.22. Fall general except in thans Katras. Weather seasonable. trospects of crops good. Fodder and water sufficient. Cattle-disease not reported. Average price of common rice at Sadar is 12 seers, and at Gobindpur 10 seers 14 chitaks per rupes.

Singhbhum.-Rainfall 8 66. Prospect of crop excellent. Harvesting of gora peddy continues. Average price of rice 12 seers 10 chitaks per rupee in the district; at Chaibassa 12 sears per rupes.

General Summary.—The rain fall during the week was general and heavy at places.

In parts of North Bengal the fall was excessive. More rain is required in Burdwan and parts of Midnapore and the 24-Parganas. Orops in one outpost of the Beguearai subdivision of the Monghyr district are reported to be somewhat damaged by flood. Sugarosne doing well. Hervesting of bhadei crops approaching completion. Transplantation of winter rice is almost over and weeding has commenced at places. Prospects fair. Cattle-disease reported from 11 districts. Fodder and water generally sufficient. The price of common rice has risen in 5 districts, fallen in 11, and is stationary in the rest (31).

By order of the Lieutenant-Governor of Bengal,

W. C. MACPHERSON, Offg. Secretary in the Govt. of Bengal.

The 30th September 1908.